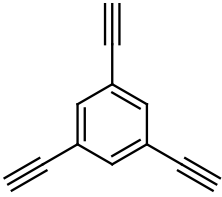
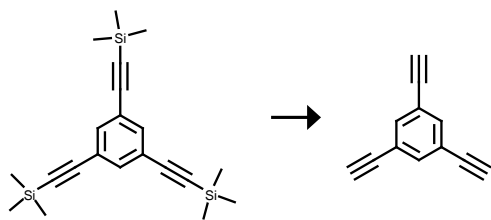


Query

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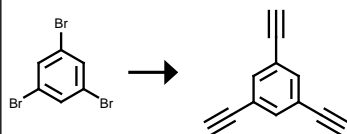

 Rx-ID: 3261145 [View in Reaxys](#)

Yield	Conditions & References
99.5 %	<p>With water, potassium carbonate in tetrahydrofuran, methanol, Time= 6h, T= 20 °C</p> <p>Kobayashi, Norifumi; Kijima, Masashi; Journal of Materials Chemistry; vol. 18; nb. 9; (2008); p. 1037 - 1045 View in Reaxys</p>
97 %	<p>With potassium carbonate in methanol, Time= 2h, T= 20 °C</p> <p>Suresh, Paulsamy; Srimurugan, Sankareswaran; Babu, Balaji; Pati, Hari N.; Tetrahedron: Asymmetry; vol. 18; nb. 23; (2007); p. 2820 - 2827 View in Reaxys</p>
91 %	<p>With potassium carbonate in methanol, Time= 5h</p> <p>Wang, Fei; Kaafarani, Bilal R.; Neckers, Douglas C.; Macromolecules; vol. 36; nb. 22; (2003); p. 8225 - 8230 View in Reaxys</p>
90 %	<p>With potassium carbonate in tetrahydrofuran, methanol</p> <p>Fernandez, Gustavo; Garcia, Fatima; Sanchez, Luis; Chemical Communications (Cambridge, United Kingdom); nb. 48; (2008); p. 6567 - 6569 View in Reaxys</p>
90 %	<p>With methanol, potassium carbonate in tetrahydrofuran</p> <p>Garcia, Fatima; Aparicio, Fatima; Fernandez, Gustavo; Sanchez, Luis; Organic Letters; vol. 11; nb. 13; (2009); p. 2748 - 2751 View in Reaxys</p>
87 %	<p>With sodium hydroxide in tetrahydrofuran, Time= 2h, T= 20 °C</p> <p>Mongin, Olivier; Papamicaeel, Cyril; Hoyler, Nicolas; Gossauer, Albert; Journal of Organic Chemistry; vol. 63; nb. 16; (1998); p. 5568 - 5580 View in Reaxys</p>
87 %	<p>With caesium carbonate in methanol, Time= 16h</p> <p>Wright, Aaron T.; Zhong, Zhenlin; Anslyn, Eric V.; Angewandte Chemie, International Edition; vol. 44; nb. 35; (2005); p. 5679 - 5682; Angewandte Chemie; vol. 117; nb. 35; (2005); p. 5825 - 5828 View in Reaxys</p>
87 %	<p>Example Name 9 (9) 1,3,5-trisubstituted-benzene. To a flame-dried flask under argon was added (8) (2.39 mmol, 1 eq), cesium carbonate (4.78 mmol, 2 eq), and methanol (10 mL). The reaction was stirred 16 hours. The solution went from opaque to translucent upon completion. The methanol was removed in vacuo and the solid was partitioned between water and methylene chloride. The water layer was extracted with methylene chloride (3*20 mL). The organic layer was washed with aqueous ammonium chloride (1.0 M, 2*20 mL), water (2*20 mL), and brine (2*20 mL). The organic layer was dried with sodium sulfate, filtered, and removed in vacuo. Product obtained as off-white soft crystals (2.09 mmol) in 87percent yield and had a melting point of 101-103.deg. C. ¹H NMR (400 MHz, CDCl₃) δ 7.57 (s, 3H), 3.12 (s, 3H). ¹³C NMR (100 MHz, CDCl₃) δ 135.6, 122.8, 81.6, 78.7. MS (CI+) m/z 151 [M]⁺.</p>

	<p>Stage 1: With caesium carbonate in methanol, Time= 16h Stage 2: With ammonium chloride in dichloromethane, water</p> <p>Patent: Anslyn, Eric V.; Wright, Aaron T.; Zhong, Zhenlin; US2006/24834; (2006); (A1) English View in Reaxys</p>
86 %	<p>With sodium hydroxide in methanol, dichloromethane, Time= 0.5h, T= 20 °C</p> <p>Leventis, Nicholas; Yang, Jinhua; Fabrizio, Eve F.; Rawashdeh, Abdel-Monem M.; Oh, Woon Su; Sotiriou-Leventis, Chariklia; Journal of the American Chemical Society; vol. 126; nb. 13; (2004); p. 4094 - 4095 View in Reaxys</p>
	<p>With sodium hydroxide in methanol, Time= 1h, Ambient temperature, Yield given</p> <p>Weber, Edwin; Hecker, Manfred; Koeppe, Erich; Orlia, Wolfgang; Czugler, Matyas; Csoeregh, Ingeborg; Journal of the Chemical Society, Perkin Transactions 2: Physical Organic Chemistry (1972-1999); (1988); p. 1251 - 1258 View in Reaxys</p>
	<p>With sodium hydroxide, water</p> <p>Uno, Mitsunari; Dixneuf, Pierre H.; Angewandte Chemie, International Edition in English; vol. 37; nb. 12; (1998); p. 1714 - 1717; Angewandte Chemie; vol. 110; (1998); p. 1822 - 1824 View in Reaxys</p>
	<p>With potassium carbonate in tetrahydrofuran, methanol</p> <p>Ito, Shunji; Inabe, Haruki; Morita, Noboru; Ohta, Kazuchika; Kitamura, Teruo; Imafuku, Kimiaki; Journal of the American Chemical Society; vol. 125; nb. 6; (2003); p. 1669 - 1680 View in Reaxys</p>
	<p>With potassium carbonate in tetrahydrofuran, methanol, Time= 2h</p> <p>Eisler, Sara; Chahal, Navjot; McDonald, Robert; Tykwinski, Rik R.; Chemistry--A European Journal; vol. 9; nb. 11; (2003); p. 2542 - 2550 View in Reaxys</p>
	<p>With potassium carbonate in tetrahydrofuran, methanol</p> <p>Vives, Guillaume; Tour, James M.; Tetrahedron Letters; vol. 50; nb. 13; (2009); p. 1427 - 1430 View in Reaxys</p>
	<p>With sodium hydroxide in methanol, dichloromethane, water, Time= 3h, T= 20 °C</p> <p>Demessence, Aude; D'Alessandro, Deanna M.; Foo, Maw Lin; Long, Jeffrey R.; Journal of the American Chemical Society; vol. 131; nb. 25; (2009); p. 8784 - 8786 View in Reaxys</p>
	<p>With sodium hydroxide in methanol, dichloromethane, Time= 12h, T= 20 °C</p> <p>Yuan, Shengwen; Dorney, Brian; White, Desiree; Kirklin, Scott; Zapol, Peter; Liu, Di-Jia; Yu, Luping; Chemical Communications (Cambridge, United Kingdom); vol. 46; nb. 25; (2010); p. 4547 - 4549 View in Reaxys</p>
	<p>With potassium carbonate in methanol</p> <p>Songkram, Chalermkiat; Ohta, Kiminori; Endo, Yasuyuki; Yamaguchi, Kentaro; Pichierri, Fabio; Inorganic Chemistry; vol. 49; nb. 23; (2010); p. 11174 - 11183 View in Reaxys</p>
	<p>With methanol, potassium carbonate in tetrahydrofuran, Time= 0.5h, T= 20 °C</p> <p>Narita, Tomoyuki; Takase, Masayoshi; Nishinaga, Tohru; Iyoda, Masahiko; Kamada, Kenji; Ohta, Koji; Chemistry--A European Journal; vol. 16; nb. 40; (2010); p. 12108 - 12113 View in Reaxys</p>
	<p>With water, potassium hydroxide in tetrahydrofuran, methanol</p>

Yoosaf, K.; Belbakra, Abdelhalim; Armaroli, Nicola; Llanes-Pallas, Anna; Marangoni, Tomas; Bonifazi, Davide; Marega, Riccardo; Botek, Edith; Champagne, Benoit; Chemistry--A European Journal; **vol. 17;** nb. 11; (2011); p. 3262 - 3273

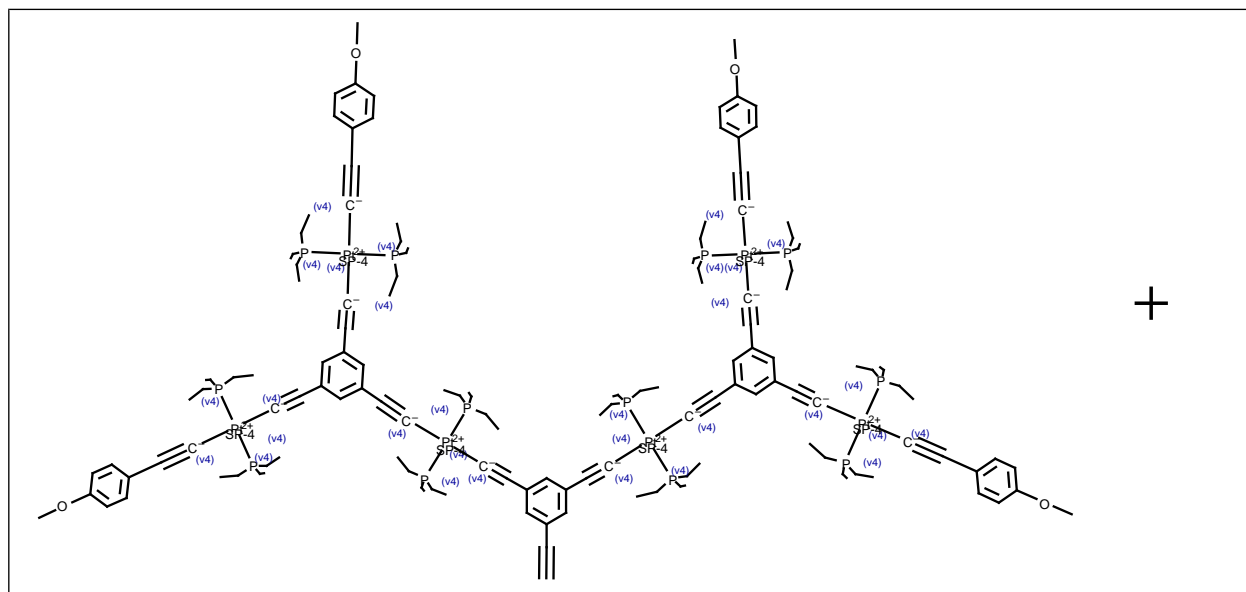
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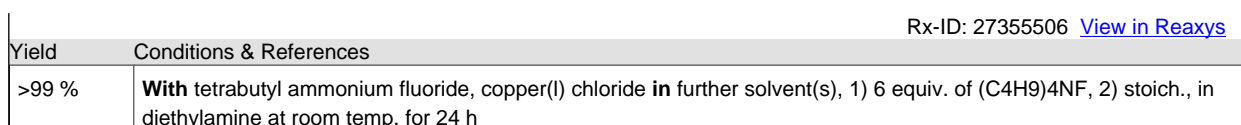
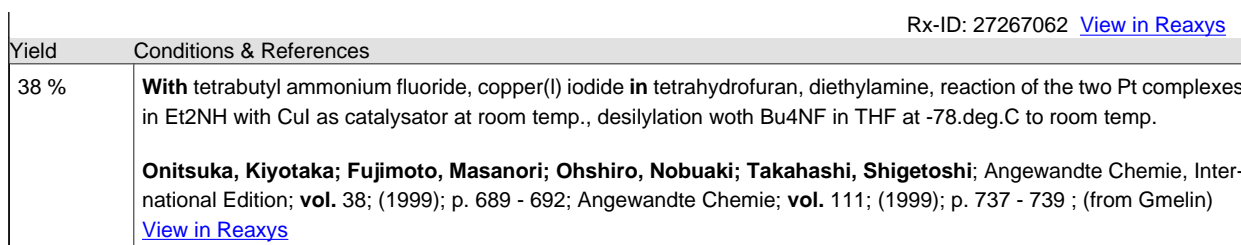
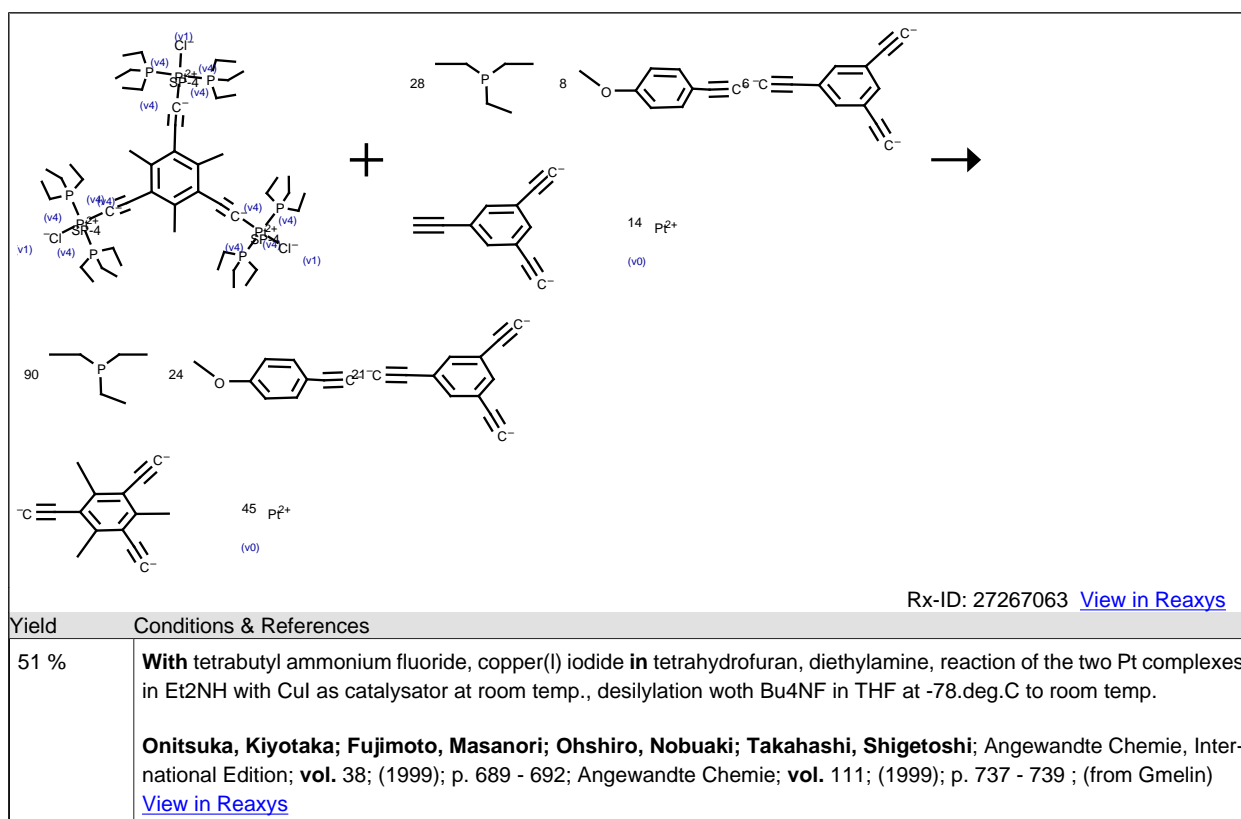
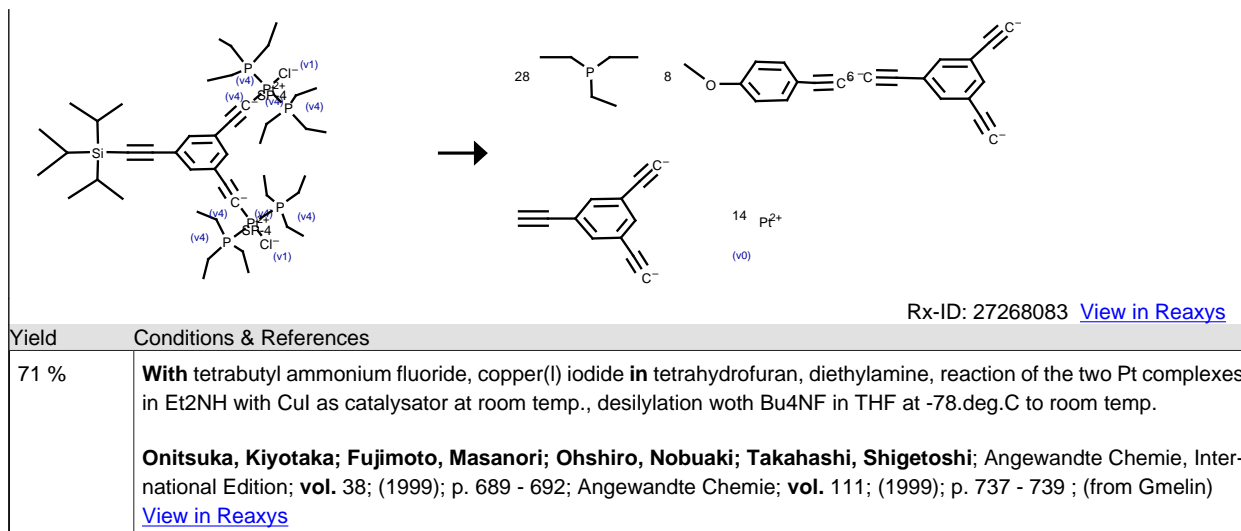


Rx-ID: 11510032 [View in Reaxys](#)

Yield	Conditions & References
	<p>Reaction Steps: 3</p> <p>1.1: PPh₃; triethylamine; pyridine / Pd₂(dba)₃; CuI / CHCl₃ / 0.08 h</p> <p>1.2: 72 percent / CHCl₃ / 100 °C</p> <p>2.1: 85 percent / triethylamine / Pd(PPh₃)₂Cl₂ / 60 °C</p> <p>3.1: NaOH / toluene / Heating</p> <p>With pyridine, sodium hydroxide, triethylamine, triphenylphosphine, bis-triphenylphosphine-palladium(II) chloride, copper(I) iodide, tris(dibenzylideneacetone)dipalladium⁽⁰⁾ in chloroform, toluene, 1.2: Sonogashira coupling / 2.1: Sonogashira coupling</p> <p>Chandra, Kusum L.; Zhang, Sheng; Gorman, Christopher B.; Tetrahedron; vol. 63; nb. 30; (2007); p. 7120 - 7132 View in Reaxys</p>
	<p>Reaction Steps: 2</p> <p>1: 60 percent / Et₃N; PPh₃; CuI / Pd(PPh₃)₂Cl₂ / 0.33 h / 85 °C</p> <p>2: 87 percent / Cs₂CO₃ / methanol / 16 h</p> <p>With copper(I) iodide, caesium carbonate, triethylamine, triphenylphosphine, bis-triphenylphosphine-palladium(II) chloride in methanol</p> <p>Wright, Aaron T.; Zhong, Zhenlin; Anslyn, Eric V.; Angewandte Chemie, International Edition; vol. 44; nb. 35; (2005); p. 5679 - 5682; Angewandte Chemie; vol. 117; nb. 35; (2005); p. 5825 - 5828 View in Reaxys</p>
	<p>Reaction Steps: 2</p> <p>1: 70 percent / triethylamine; bis(triphenylphosphine)palladium(II) chloride; cuprous iodide / 15 h / 20 °C</p> <p>2: 91 percent / K₂CO₃ / methanol / 5 h</p> <p>With copper(I) iodide, bis(triphenylphosphine)palladium(II)-chloride, potassium carbonate, triethylamine in methanol, 1: Sonogashira reaction</p> <p>Wang, Fei; Kaafarani, Bilal R.; Neckers, Douglas C.; Macromolecules; vol. 36; nb. 22; (2003); p. 8225 - 8230 View in Reaxys</p>
	<p>Reaction Steps: 2</p> <p>1: 60 percent / Pd(PhCN)₂Cl₂; CuI; P(t-Bu)₃ / iPrNH₂ / 2 h</p> <p>2: 86 percent / NaOH / CH₂Cl₂; methanol / 0.5 h / 20 °C</p> <p>With sodium hydroxide, copper(I) iodide, bis(benzonitrile)palladium(II) dichloride, tri-tert-butyl phosphine, isopropylamine in methanol, dichloromethane</p> <p>Leventis, Nicholas; Yang, Jinhua; Fabrizio, Eve F.; Rawashdeh, Abdel-Monem M.; Oh, Woon Su; Sotiriou-Leventis, Chariklia; Journal of the American Chemical Society; vol. 126; nb. 13; (2004); p. 4094 - 4095 View in Reaxys</p>
	<p>Reaction Steps: 2</p> <p>1: Et₃N / Pd/Cu</p> <p>2: H₂O, NaOH</p> <p>With sodium hydroxide, water, triethylamine, Pd/Cu</p> <p>Uno, Mitsunari; Dixneuf, Pierre H.; Angewandte Chemie, International Edition in English; vol. 37; nb. 12; (1998); p. 1714 - 1717; Angewandte Chemie; vol. 110; (1998); p. 1822 - 1824 View in Reaxys</p>

	<p>Reaction Steps: 2 1: 80 percent / Et₂NH, Pd(PPh₃)₂Cl₂, CuI / 5.5 h / Heating 2: 76 percent / sodium isopropoxide / propan-2-ol / 4.5 h / Heating With bis-triphenylphosphine-palladium(II) chloride, copper(I) iodide, sodium isopropanolate, diethylamine in isopropyl alcohol</p> <p>MacBride, J. A. Hugh; Wade, Kenneth; Synthetic Communications; vol. 26; nb. 12; (1996); p. 2309 - 2316 View in Reaxys</p>
	<p>Reaction Steps: 2 1: 76 percent / CuI, Et₃N / tetrakis(triphenylphosphine)palladium⁽⁰⁾ / 5 h / 60 °C 2: 36 percent / NaOH, tetrabutylammonium iodide / H₂O; cyclohexane / 96 h / 85 °C With sodium hydroxide, copper(I) iodide, tetra-(n-butyl)ammonium iodide, triethylamine, tetrakis(triphenylphosphine) palladium⁽⁰⁾ in cyclohexane, water</p> <p>Anderson, Harry L.; Walter, Christopher J.; Vidal-Ferran, Anton; Hay, Robert A.; Lowden, Philip A.; Sanders, Jeremy K. M.; Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999); nb. 18; (1995); p. 2275 - 2280 View in Reaxys</p>
	<p>Reaction Steps: 2 1: diethylamine / Pd(Ph₃)₂Cl₂, CuI / 7 h / 50 °C 2: 1 M NaOH / methanol / 1 h / Ambient temperature With sodium hydroxide, diethylamine, bis-triphenylphosphine-palladium(II) chloride, copper(I) iodide in methanol</p> <p>Weber, Edwin; Hecker, Manfred; Koepp, Erich; Orlia, Wolfgang; Czugler, Matyas; Csoeregh, Ingeborg; Journal of the Chemical Society, Perkin Transactions 2: Physical Organic Chemistry (1972-1999); (1988); p. 1251 - 1258 View in Reaxys</p>
	<p>Reaction Steps: 2 1: copper(I) iodide; tetrakis(triphenylphosphine) palladium⁽⁰⁾; triethylamine / 12 h / Inert atmosphere 2: water; potassium hydroxide / tetrahydrofuran; methanol With copper(I) iodide, tetrakis(triphenylphosphine) palladium⁽⁰⁾, water, triethylamine, potassium hydroxide in tetrahydrofuran, methanol, 1: Sonogashira coupling</p> <p>Yoosaf, K.; Belbakra, Abdelhalim; Armaroli, Nicola; Llanes-Pallas, Anna; Marangoni, Tomas; Bonifazi, Davide; Marega, Riccardo; Botek, Edith; Champagne, Benoit; Chemistry--A European Journal; vol. 17; nb. 11; (2011); p. 3262 - 3273 View in Reaxys</p>





Onitsuka, Kiyotaka; Shimizu, Atsushi; Takahashi, Shigetoshi; Chemical Communications (Cambridge, United Kingdom); (2003); p. 280 - 281 ; (from Gmelin)

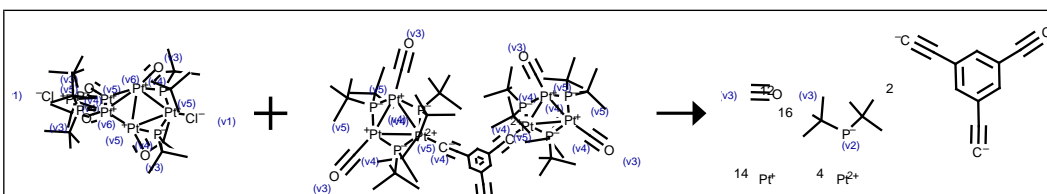
[View in Reaxys](#)

Rx-ID: 27355507 [View in Reaxys](#)

Yield	Conditions & References
>99 %	<p>With tetrabutyl ammonium fluoride, copper(I) chloride in further solvent(s), 1) 6 equiv. of (C₄H₉)₄NF, 2) stoich., in diethylamine at room temp. for 24 h</p> <p>Onitsuka, Kiyotaka; Shimizu, Atsushi; Takahashi, Shigetoshi; Chemical Communications (Cambridge, United Kingdom); (2003); p. 280 - 281 ; (from Gmelin)</p> <p>View in Reaxys</p>

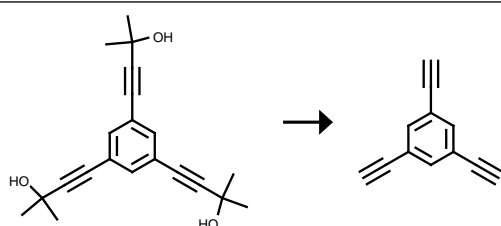
Rx-ID: 27355508 [View in Reaxys](#)

Yield	Conditions & References
>99 %	<p>With tetrabutyl ammonium fluoride, copper(I) chloride in further solvent(s), 1) 6 equiv. of (C₄H₉)₄NF, 2) 25 mol percent excess of Pt monomer in diethylamine at room temp. for 24 h; repptd.</p> <p>Onitsuka, Kiyotaka; Shimizu, Atsushi; Takahashi, Shigetoshi; Chemical Communications (Cambridge, United Kingdom); (2003); p. 280 - 281 ; (from Gmelin)</p> <p>View in Reaxys</p>



Rx-ID: 27441181 [View in Reaxys](#)

Yield	Conditions & References
85 %	<p>With copper(I) iodide in diethylamine, addn. of Pt₆ ethynylbenzene complex and CuI to soln. of Pt₆ dichloride (ratio 2:1) in diethylamine; reaction time: 24 h; evapn. of solvent; extrn. with Et₂O; chromy. (silica gel/CH₂Cl₂-hexane=1/3); elem. anal.</p> <p>Albinati, Alberto; Leoni, Piero; Marchetti, Lorella; Rizzato, Silvia; Angewandte Chemie, International Edition; vol. 42; (2003); p. 5990 - 5993; Angewandte Chemie; vol. 115; (2003); p. 6172 - 6175 ; (from Gmelin)</p> <p>View in Reaxys</p>



Rx-ID: 4366227 [View in Reaxys](#)

Yield	Conditions & References
85 %	<p>With aluminum oxide, potassium hydroxide, Time= 0.0208333h, microwave irradiation</p> <p>Pourjavadi, Ali; Marandi, Gholam Bagheri; Journal of Chemical Research, Synopses; nb. 11; (2002); p. 552 - 555</p> <p>View in Reaxys</p>
76 %	<p>With sodium isopropanolate in isopropyl alcohol, Time= 4.5h, Heating</p> <p>MacBride, J. A. Hugh; Wade, Kenneth; Synthetic Communications; vol. 26; nb. 12; (1996); p. 2309 - 2316</p> <p>View in Reaxys</p>
36 %	<p>With sodium hydroxide, tetra-(n-butyl)ammonium iodide in cyclohexane, water, Time= 96h, T= 85 °C</p>

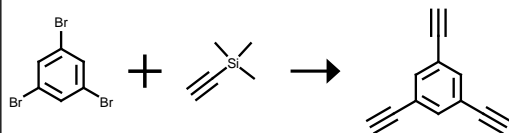
Anderson, Harry L.; Walter, Christopher J.; Vidal-Ferran, Anton; Hay, Robert A.; Lowden, Philip A.; Sanders, Jeremy K. M.; Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999); nb. 18; (1995); p. 2275 - 2280

[View in Reaxys](#)

With sodium hydroxide

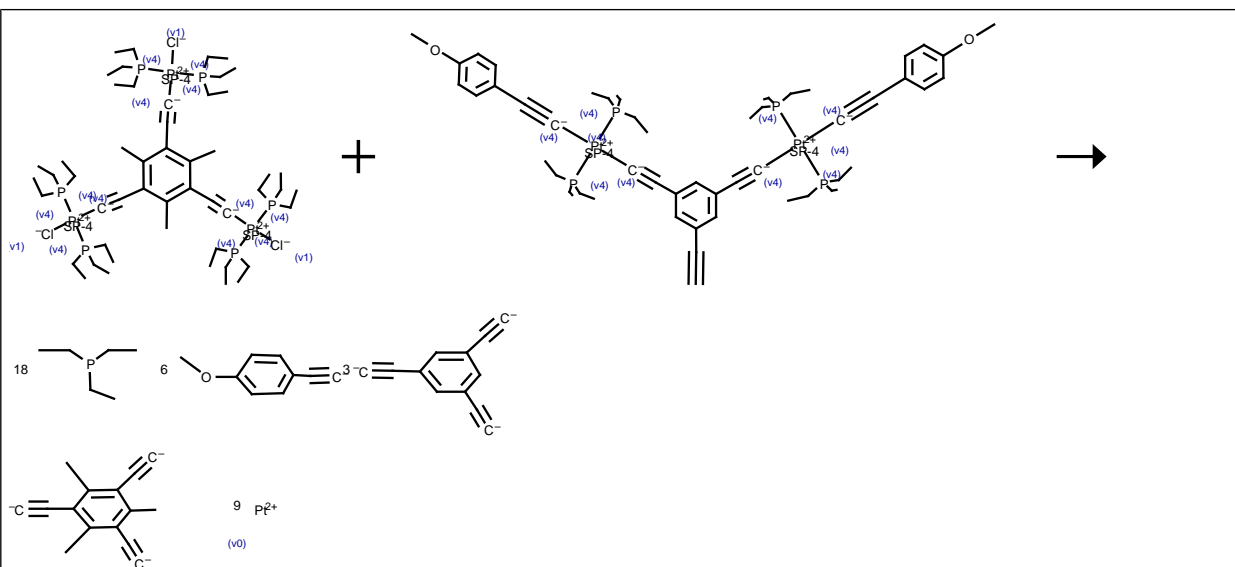
Ryu, Mi-Hee; Choi, Jin-Woo; Cho, Byoung-Ki; Journal of Materials Chemistry; vol. 20; nb. 9; (2010); p. 1806 - 1810

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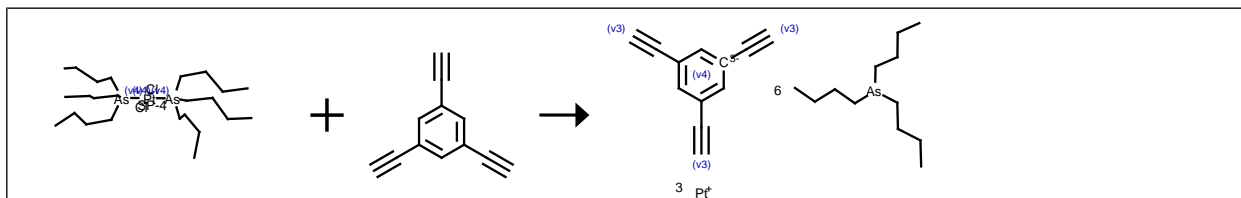
Rx-ID: 8858355 [View in Reaxys](#)

Yield	Conditions & References
74 %	<p>Stage 1: With copper(I) iodide, tetrakis(triphenylphosphine) palladium⁽⁰⁾, triethylamine in tetrahydrofuran, Inert atmosphere, Sonogashira coupling</p> <p>Stage 2: With potassium hydroxide in methanol</p> <p>Di Credico, Barbara; Gonsalvi, Luca; Ienco, Andrea; Peruzzini, Maurizio; Reginato, Gianna; Rossin, Andrea; De Biani, Fabrizia Fabrizi; Laschi, Franco; Zanello, Piero; Guerri, Annalisa; Chemistry--A European Journal; vol. 15; nb. 44; (2009); p. 11985 - 11998</p> <p>View in Reaxys</p>
	<p>Stage 1: With copper(I) iodide, triethylamine, triphenylphosphine, PdCl₂(PPh₃), T= 70 °C</p> <p>Stage 2: With potassium carbonate in methanol, T= 20 °C</p> <p>Kim, Bong Gi; Kim, Sehoon; Park, Soo Young; Tetrahedron Letters; vol. 42; nb. 14; (2001); p. 2697 - 2700</p> <p>View in Reaxys</p>

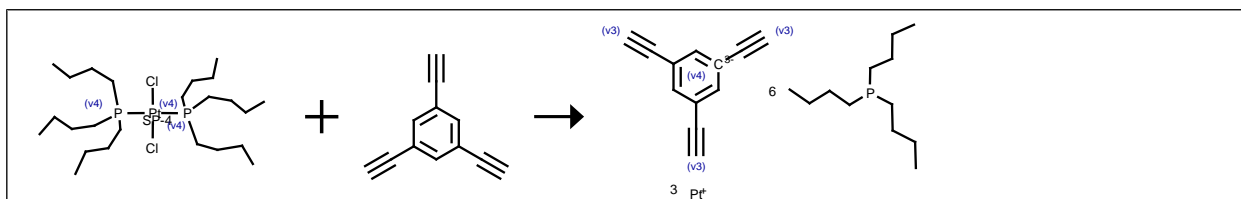


Rx-ID: 27429318 [View in Reaxys](#)

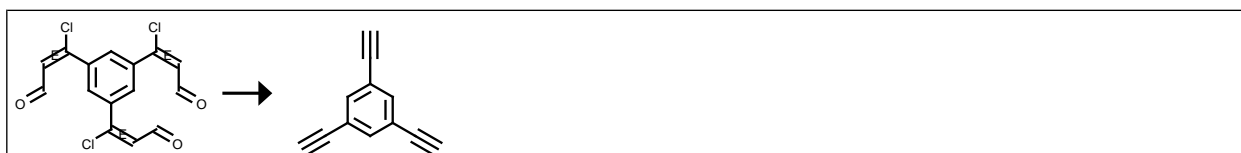
Yield	Conditions & References
43 %	<p>With copper(I) iodide in diethylamine, room temp.</p> <p>Onitsuka, Kiyotaka; Fujimoto, Masanori; Ohshiro, Nobuaki; Takahashi, Shigetoshi; Angewandte Chemie, International Edition; vol. 38; (1999); p. 689 - 692; Angewandte Chemie; vol. 111; (1999); p. 737 - 739 ; (from Gmelin)</p> <p>View in Reaxys</p>


 Rx-ID: 26829379 [View in Reaxys](#)

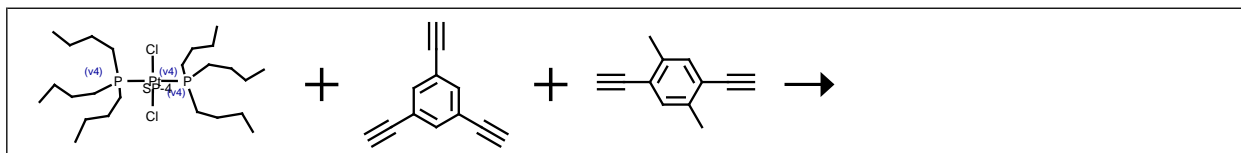
Yield	Conditions & References
92 %	<p>With copper(I) iodide in diethylamine, refluxing soln. of 0.3 mmol Pt(AsBu₃)₂Cl₂, 0.2 mmol triethynyl benzene and catalytic amount of CuI in diethylamine for 24 h under N₂; filtration of mixture; evapn. of filtrate to dryness in vacuum;; repeatedly washing of residue with boiling CH₂Cl₂; drying in vacuum; elem. anal.;</p> <p>Khan, M. S.; Schwartz, D. J.; Pasha, N. A.; Kakkar, A. K.; Lin, B.; et al.; Zeitschrift fuer Anorganische und Allgemeine Chemie; vol. 616; (1992); p. 121 - 124 ; (from Gmelin)</p> <p>View in Reaxys</p>

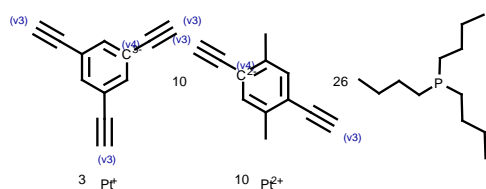

 Rx-ID: 26841132 [View in Reaxys](#)

Yield	Conditions & References
95 %	<p>With copper(I) iodide in diethylamine, refluxing soln. of 0.2982 mmol Pt(PBu₃)₂Cl₂, 0.1988 mmol triethynyl benzene and catalytic amount of CuI in diethylamine for 24 h under N₂; filtration of mixture; evapn. of filtrate to dryness in vacuum;; repeatedly washing of residue with boiling CH₂Cl₂; drying in vacuum; elem. anal.;</p> <p>Khan, M. S.; Schwartz, D. J.; Pasha, N. A.; Kakkar, A. K.; Lin, B.; et al.; Zeitschrift fuer Anorganische und Allgemeine Chemie; vol. 616; (1992); p. 121 - 124 ; (from Gmelin)</p> <p>View in Reaxys</p>


 Rx-ID: 3649720 [View in Reaxys](#)

Yield	Conditions & References
29 %	<p>With sodium hydroxide in 1,4-dioxane, water, Time= 0.5h, T= 80 °C</p> <p>Royles, Brodyck J. L.; Smith, David M.; Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999); nb. 4; (1994); p. 355 - 358</p> <p>View in Reaxys</p>

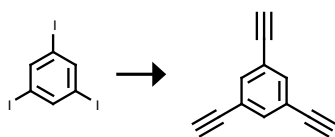



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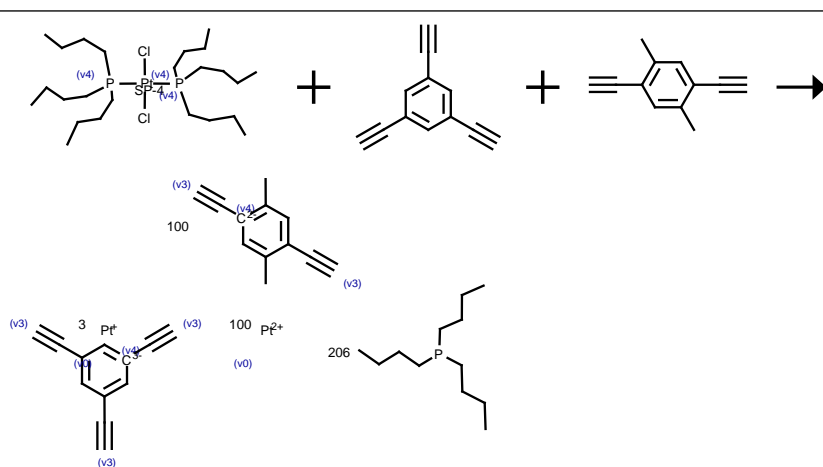
Yield	Conditions & References
89 %	<p>With copper(I) iodide in diethylamine, refluxing soln. of 0.373 mmol Pt(PBu₃)₂Cl₂, 0.0226 mmol triethynyl benzene, 0.339 mmol diethynyl p-xylene and catalytic amount of CuI in dry diethylamine for 24 h under N₂; filtration of mixture; evapn. of filtrate to dryness in vacuum;; repeatedly washing of residue with boiling CH₂Cl₂; drying in vacuum; detn. by IR; elem. anal.;</p> <p>Khan, M. S.; Schwartz, D. J.; Pasha, N. A.; Kakkar, A. K.; Lin, B.; et al.; Zeitschrift fuer Anorganische und Allgemeine Chemie; vol. 616; (1992); p. 121 - 124 ; (from Gmelin)</p> <p>View in Reaxys</p>

 Rx-ID: 27268072 [View in Reaxys](#)

Yield	Conditions & References
44 %	<p>With copper powder in diethylamine, to soln. of C₄₁H₆₇NCI₂P₄Pt₂ added soln. of C₁₄₄H₂₁₈O₄P₁₂Pt₆ in Et₂NH at room temp. for 3 h; chromy. on alumina; pptd. from CH₂Cl₂/hexane</p> <p>Onitsuka, Kiyotaka; Iuchi, Asako; Fujimoto, Masanori; Takahashi, Shigetoshi; Chemical Communications (Cambridge, United Kingdom); (2001); p. 741 - 742 ; (from Gmelin)</p> <p>View in Reaxys</p>


 Rx-ID: 16701137 [View in Reaxys](#)

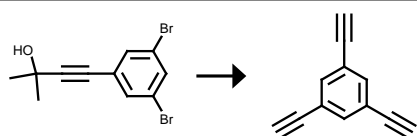
Yield	Conditions & References
	<p>Reaction Steps: 2</p> <p>1: 99 percent / Et₃N, CuI / Pd(PPh₃)₂Cl₂ / 3 h / 20 °C</p> <p>2: 87 percent / aq. NaOH / tetrahydrofuran / 2 h / 20 °C</p> <p>With sodium hydroxide, copper(I) iodide, triethylamine, bis-triphenylphosphine-palladium(II) chloride in tetrahydrofuran</p> <p>Mongin, Olivier; Papamicaeel, Cyril; Hoyle, Nicolas; Gossauer, Albert; Journal of Organic Chemistry; vol. 63; nb. 16; (1998); p. 5568 - 5580</p> <p>View in Reaxys</p>


 Rx-ID: 26841135 [View in Reaxys](#)

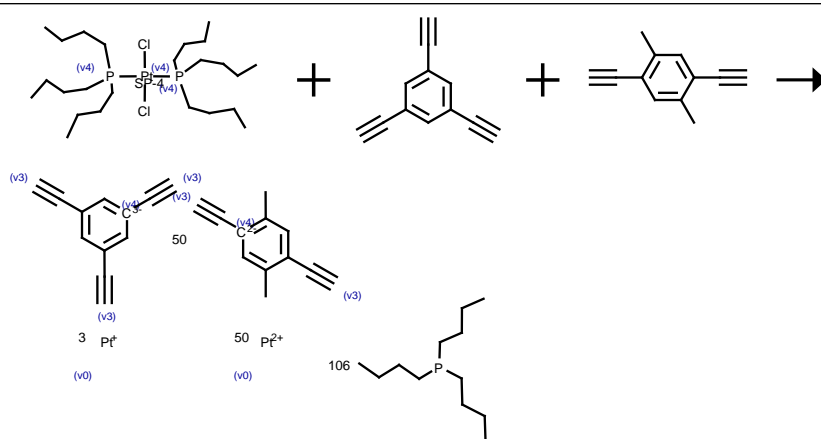
Yield	Conditions & References
77 %	<p>With copper(I) iodide in diethylamine, refluxing soln. of 0.895 mmol Pt(PBu₃)₂Cl₂, 0.006 mmol triethynyl benzene, 0.886 mmol diethynyl p-xylene and catalytic amount of CuI in amine for 24 h under N₂; filtration of mixture; evapn. of filtrate to dryness in vacuum;; chromy. (alumina column/CH₂Cl₂); detn. by IR; elem. anal.;</p> <p>Khan, M. S.; Schwartz, D. J.; Pasha, N. A.; Kakkar, A. K.; Lin, B.; et al.; Zeitschrift fuer Anorganische und Allgemeine Chemie; vol. 616; (1992); p. 121 - 124 ; (from Gmelin)</p> <p>View in Reaxys</p>

 Rx-ID: 27268082 [View in Reaxys](#)

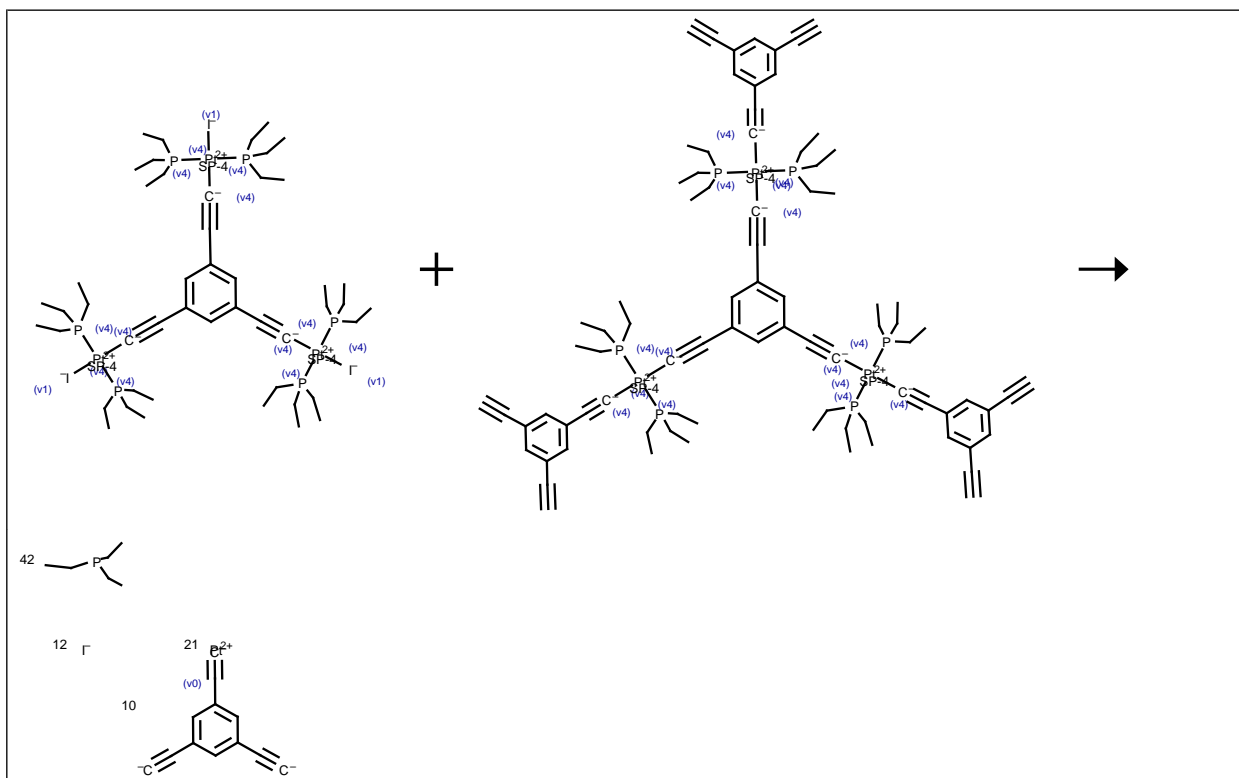
Yield	Conditions & References
>99 %	<p>in benzene, prepd. by react. of (PdCl(P(C₂H₅)₃)₂CC)C₆(CH₃)₃ and (Pt(CC)₂(P(C₂H₅)₃)₂)₆(C₆H₄OCH₃)₄(C₆H₃)₃CCCC₅NH₄ in benzene at room temp. for 30 min in presence of NaB(3,5-(CF₃)₂C₆H₃)₄; chromy.</p> <p>Onitsuka, Kiyotaka; Iuchi, Asako; Fujimoto, Masanori; Takahashi, Shigetoshi; Chemical Communications (Cambridge, United Kingdom); (2001); p. 741 - 742 ; (from Gmelin)</p> <p>View in Reaxys</p>


 Rx-ID: 11527735 [View in Reaxys](#)

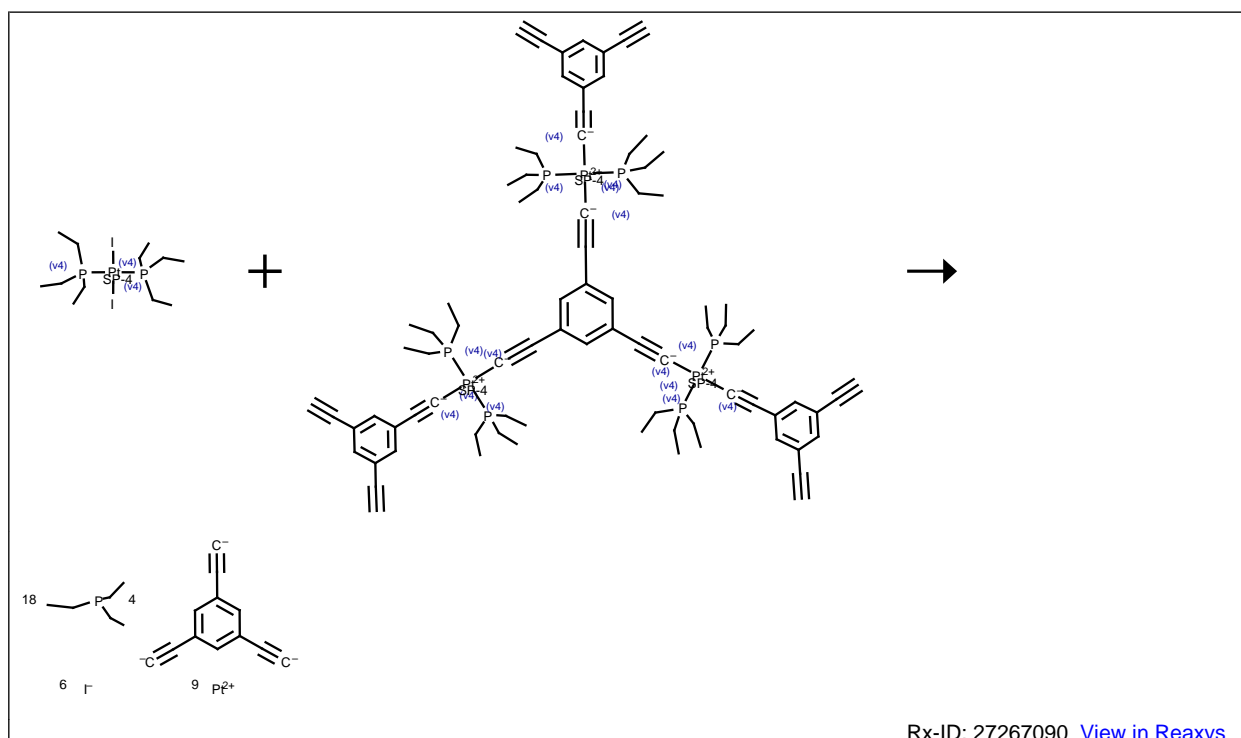
Yield	Conditions & References
	<p>Reaction Steps: 2</p> <p>1: 85 percent / triethylamine / Pd(PPh₃)₂Cl₂ / 60 °C</p> <p>2: NaOH / toluene / Heating</p> <p>With sodium hydroxide, triethylamine, bis-triphenylphosphine-palladium(II) chloride in toluene, 1: Sonogashira coupling</p> <p>Chandra, Kusum L.; Zhang, Sheng; Gorman, Christopher B.; Tetrahedron; vol. 63; nb. 30; (2007); p. 7120 - 7132</p> <p>View in Reaxys</p>


 Rx-ID: 26841134 [View in Reaxys](#)

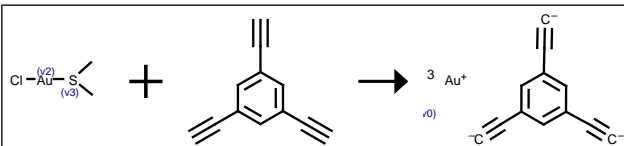
Yield	Conditions & References
70 %	<p>With copper(I) iodide in diethylamine, refluxing soln. of 0.746 mmol Pt(PBu₃)₂Cl₂, 0.01 mmol triethynyl benzene, 0.731 mmol diethynyl p-xylene and catalytic amount of CuI in dry diethylamine for 24 h under N₂; filtration of mixture; evapn. of filtrate to dryness in vacuum;; chromy. (alumina column/CH₂Cl₂); detn. by IR; elem. anal.;</p> <p>Khan, M. S.; Schwartz, D. J.; Pasha, N. A.; Kakkar, A. K.; Lin, B.; et al.; Zeitschrift fuer Anorganische und Allgemeine Chemie; vol. 616; (1992); p. 121 - 124 ; (from Gmelin)</p> <p>View in Reaxys</p>


 Rx-ID: 27267059 [View in Reaxys](#)

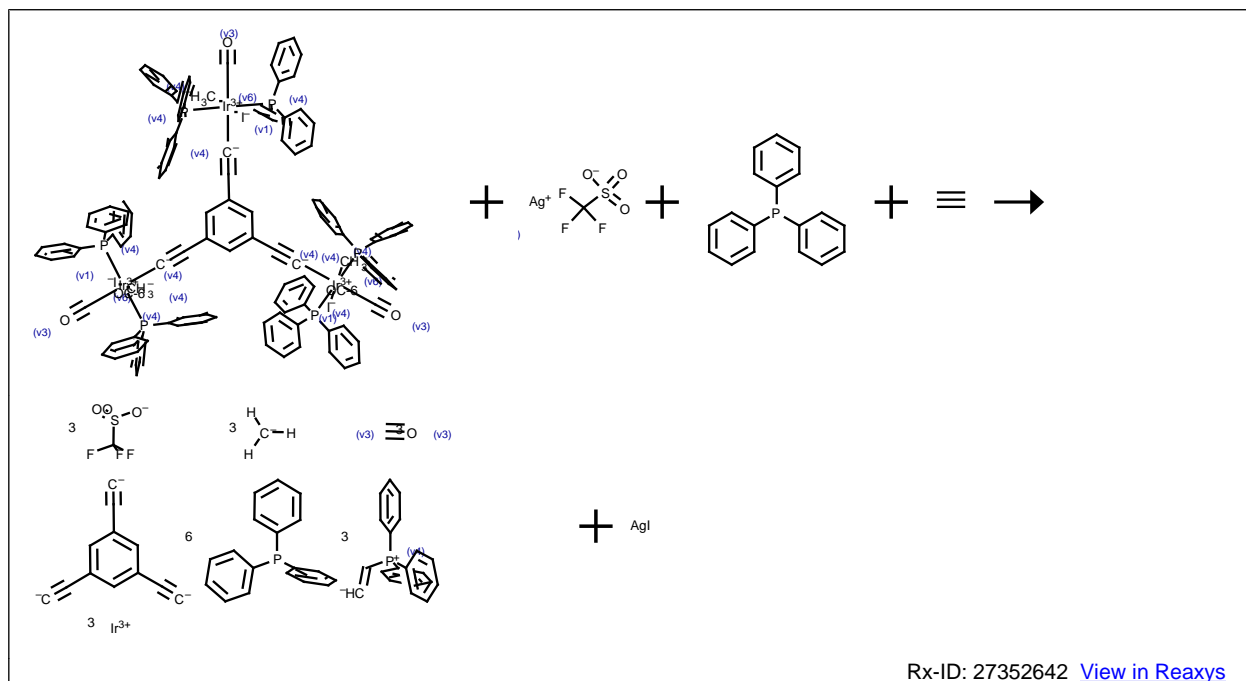
Yield	Conditions & References
43 %	<p>With copper(I) iodide in diethylamine, toluene, N₂-atmosphere; stirring soln. of excess of Pt-alkyne-complex with Pt-iodo-complex and catalyst for 4 h at room temp.; evapn., chromy. (Al₂O₃, hexanes:C₆H₆ 1:1-1:3), recrystn. (CH₂Cl₂:hexanes); elem. anal.</p> <p>Leininger, Stefan; Stang, Peter J.; Huang, Songping; Organometallics; vol. 17; (1998); p. 3981 - 3987 ; (from Gmelin)</p> <p>View in Reaxys</p>


 Rx-ID: 27267090 [View in Reaxys](#)

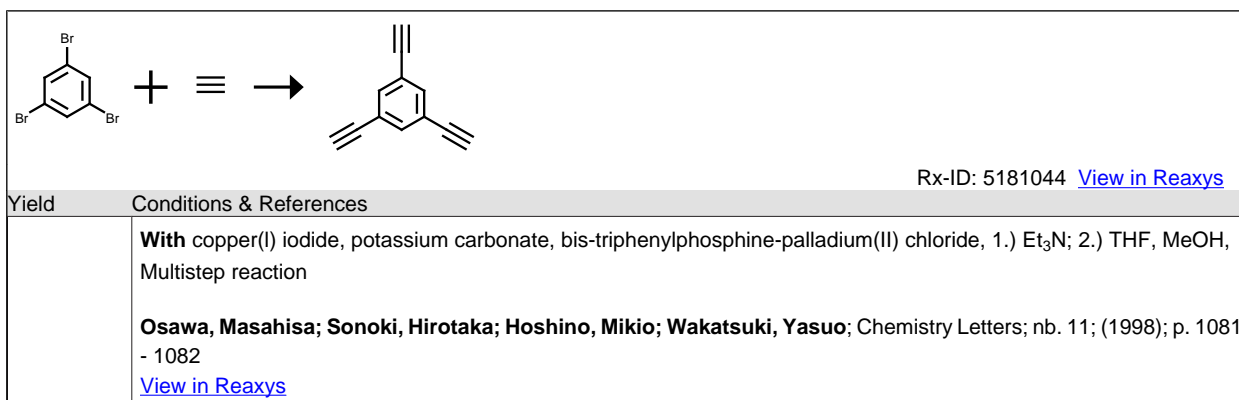
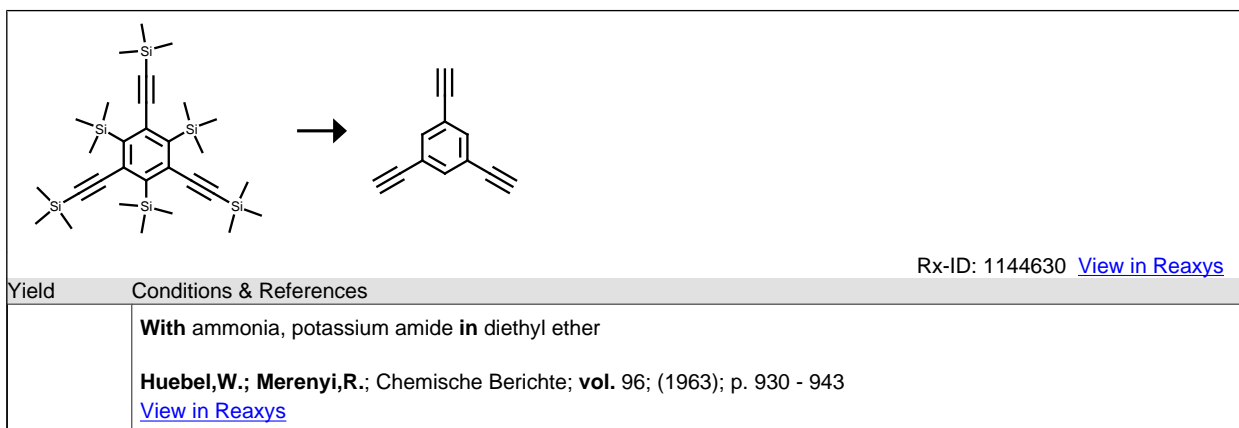
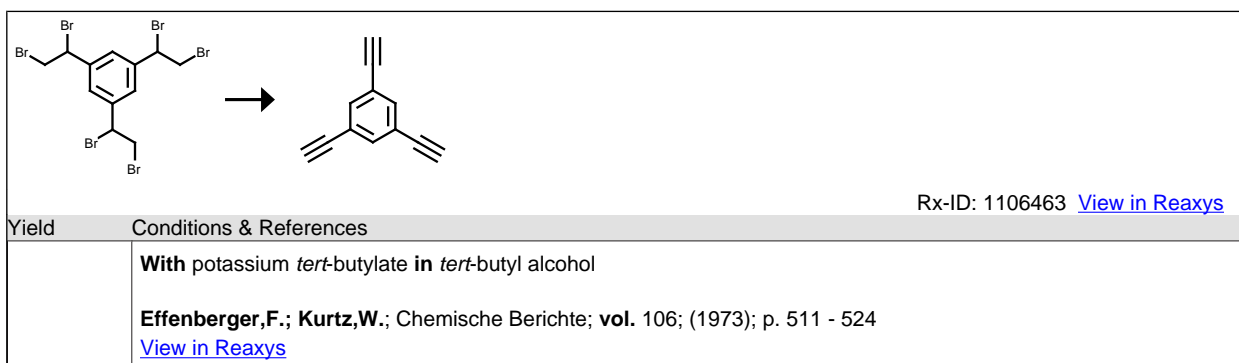
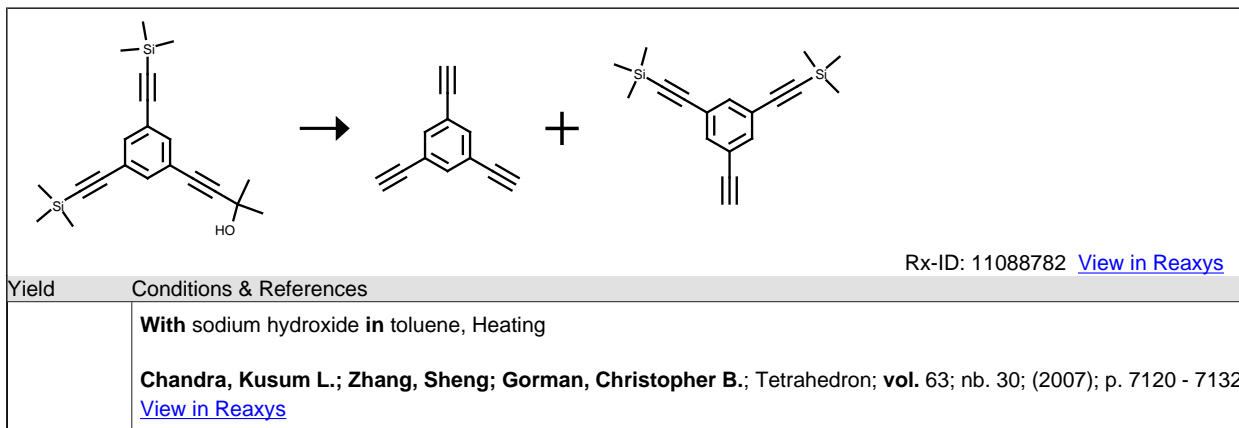
Yield	Conditions & References
41 %	<p>With copper(I) iodide in diethylamine, toluene, N₂-atmosphere; stirring soln. of excess of Pt(PEt₃)₂I₂ with Pt-alkyne-complex and catalyst for 4 h at room temp.; evapn., chromy. (Al₂O₃, hexanes:C₆H₆ 3:1, C₆H₆), recrystn. (CH₂Cl₂); elem. anal.</p> <p>Leininger, Stefan; Stang, Peter J.; Huang, Songping; Organometallics; vol. 17; (1998); p. 3981 - 3987 ; (from Gmelin)</p> <p>View in Reaxys</p>

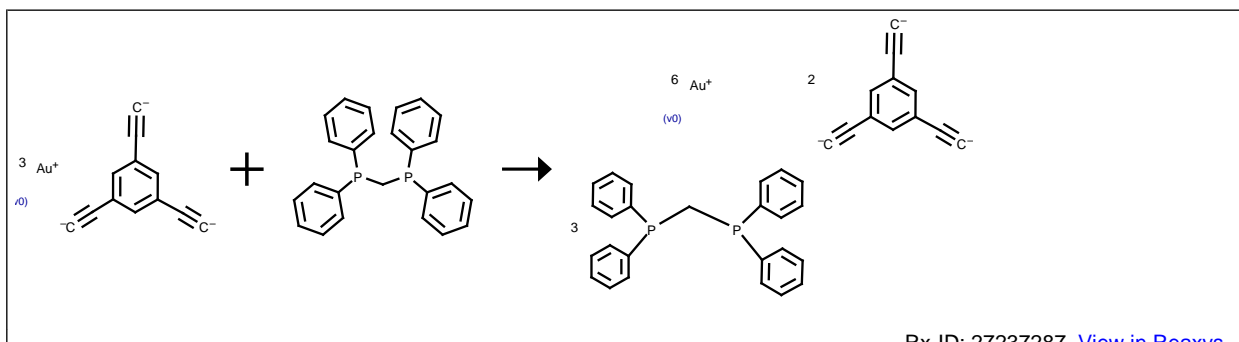

 Rx-ID: 27296713 [View in Reaxys](#)

Yield	Conditions & References
	<p>With sodium acetate in tetrahydrofuran, methanol</p> <p>Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)</p> <p>View in Reaxys</p>

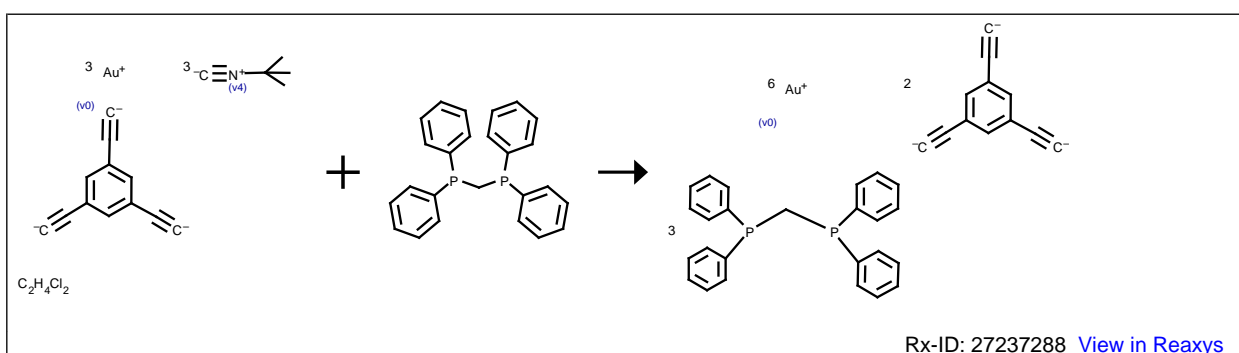

 Rx-ID: 27352642 [View in Reaxys](#)

Yield	Conditions & References
85 %	<p>in chloroform, Ir complex and AgOTf in CHCl₃ were stirred for 30 min and filtered, soln. was stirred under HCCH (1 atm) in the presence PPh₃ at 25.deg.C for 12 h; n-pentane was added, ppt. was filtered, washed with n-pentane and dried under vac.; elem. anal.</p> <p>Chin, Chong Shik; Kim, Mieock; Won, Gyongshik; Jung, Honghee; Lee, Hyungeui; Dalton Transactions; (2003); p. 2325 - 2328 ; (from Gmelin)</p> <p>View in Reaxys</p>

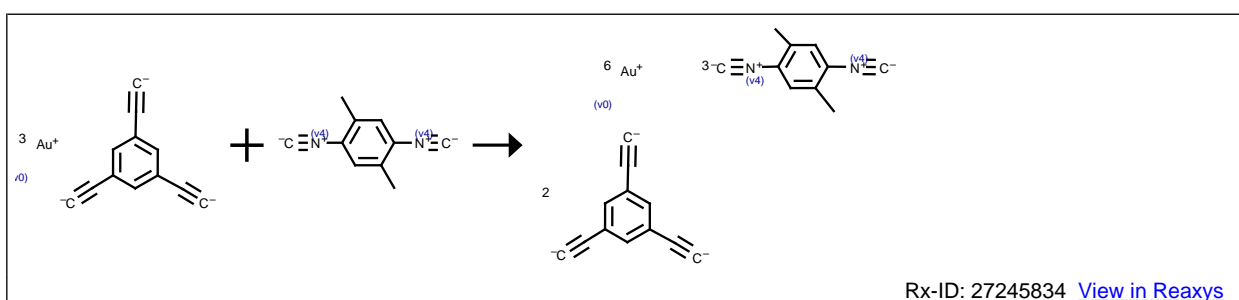




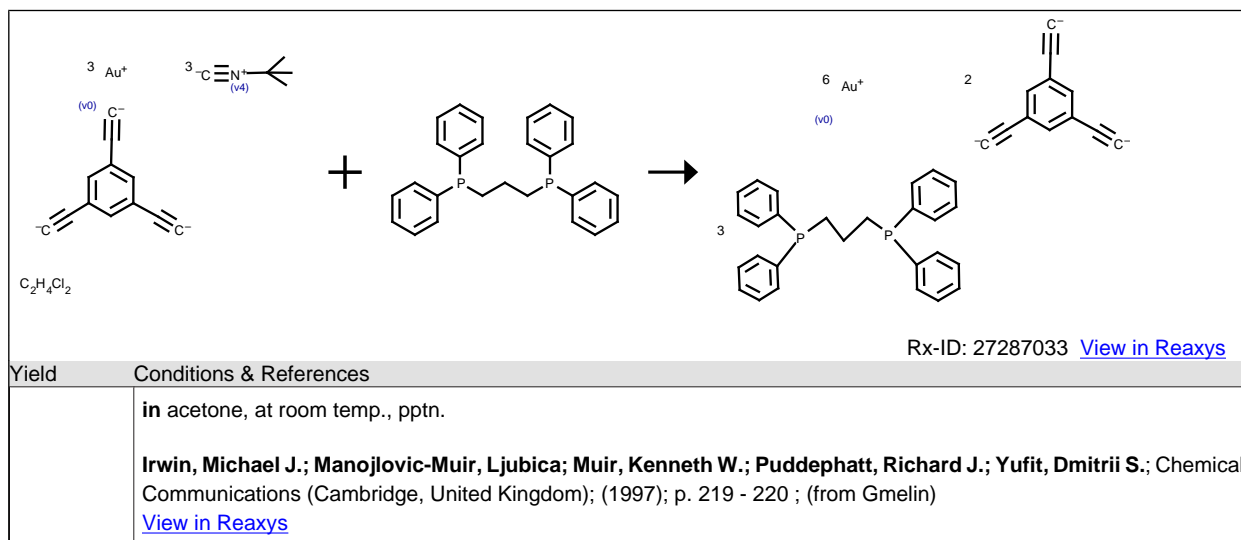
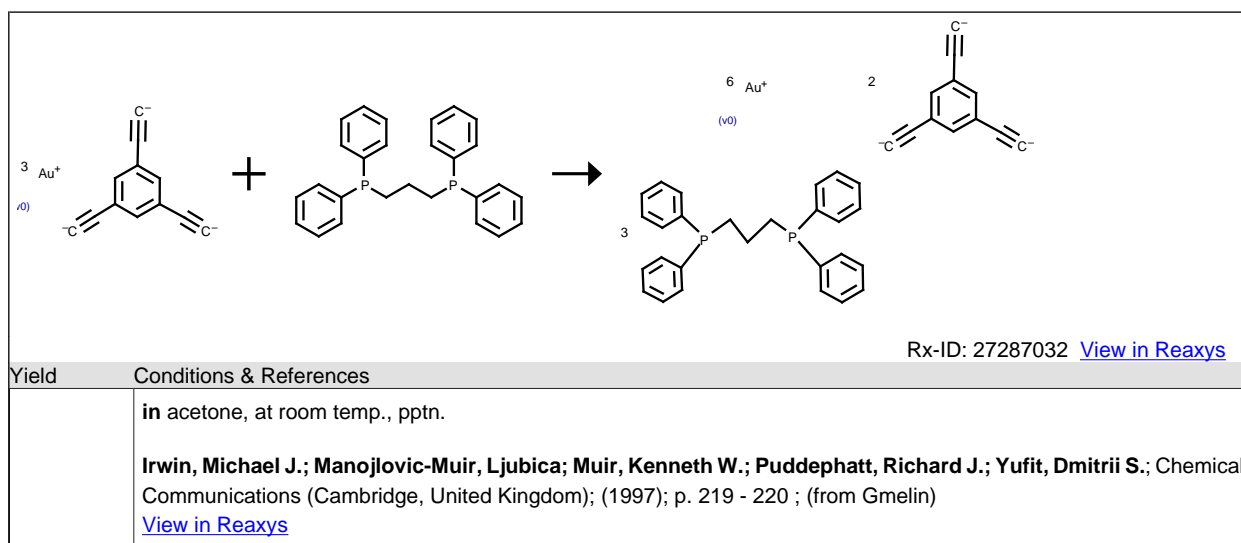
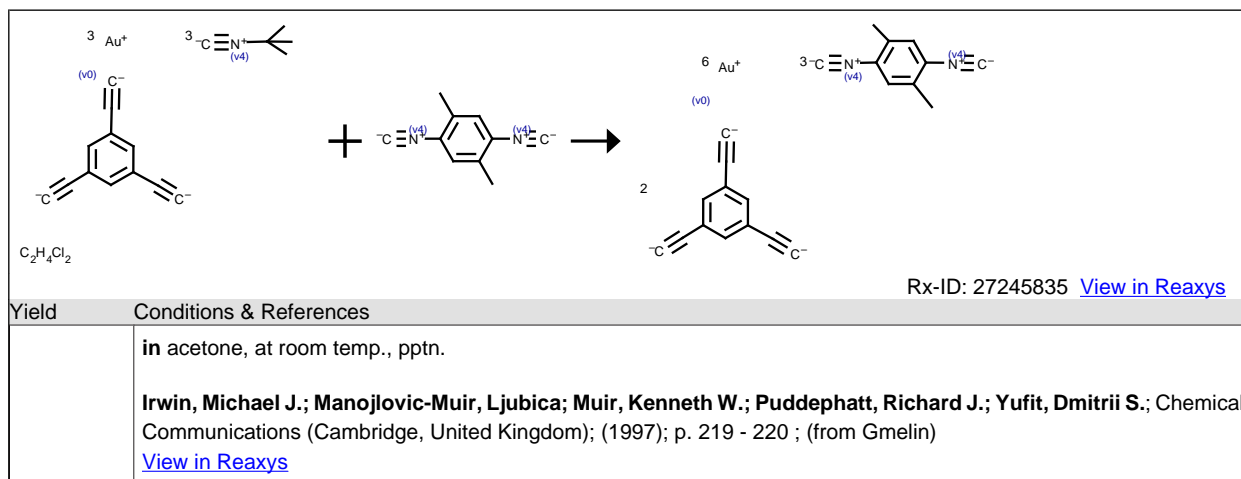
Yield	Conditions & References
	<p>in acetone, at room temp., pptn.</p> <p>Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)</p> <p>View in Reaxys</p>

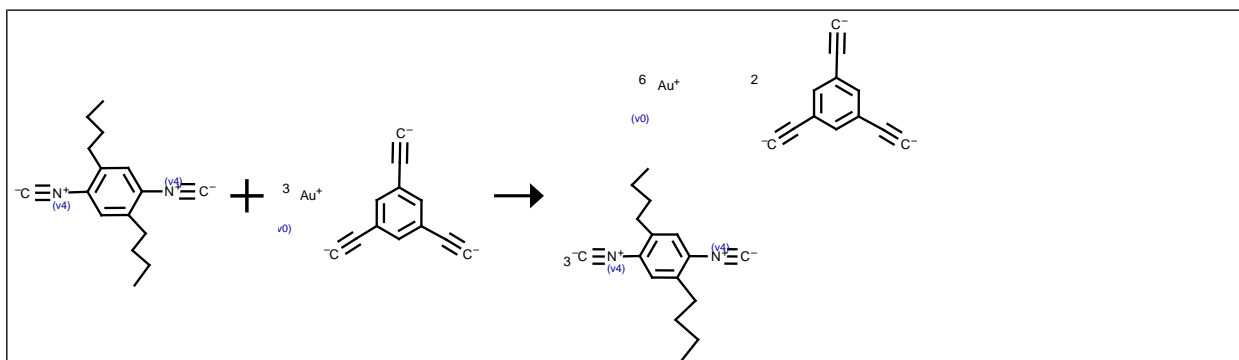


Yield	Conditions & References
	<p>in acetone, at room temp., pptn.</p> <p>Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)</p> <p>View in Reaxys</p>

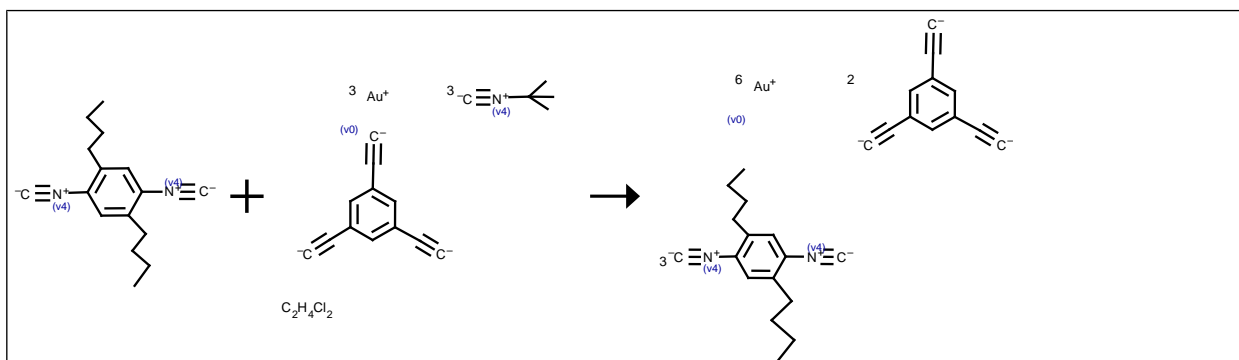


Yield	Conditions & References
	<p>in acetone, at room temp., pptn.</p> <p>Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)</p> <p>View in Reaxys</p>

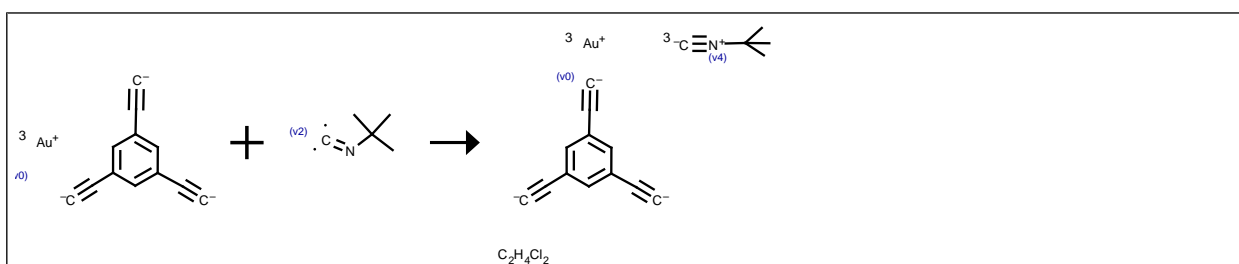



 Rx-ID: 27287343 [View in Reaxys](#)

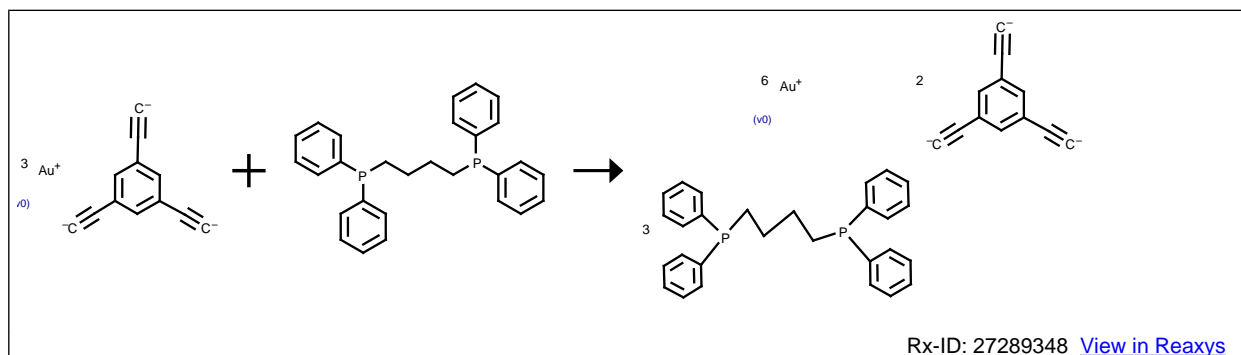
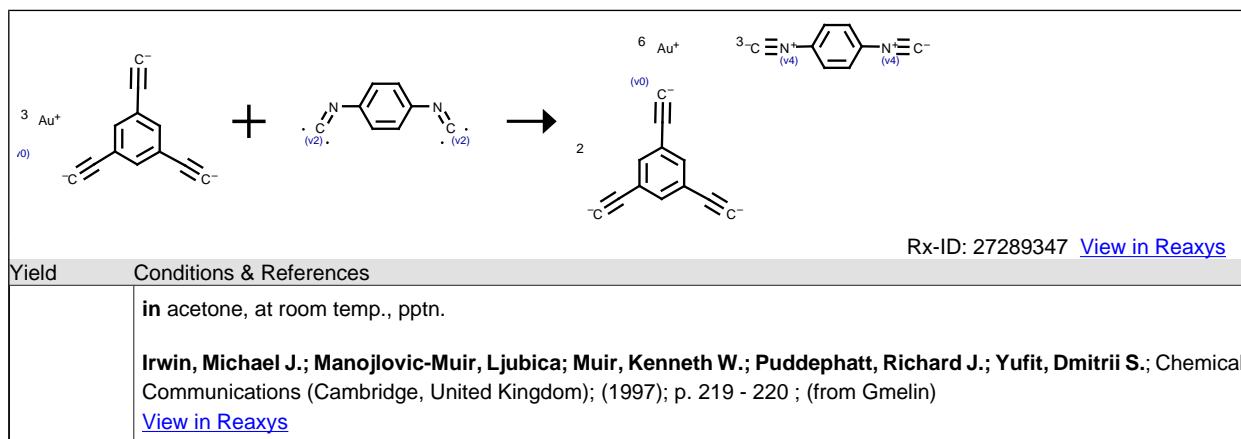
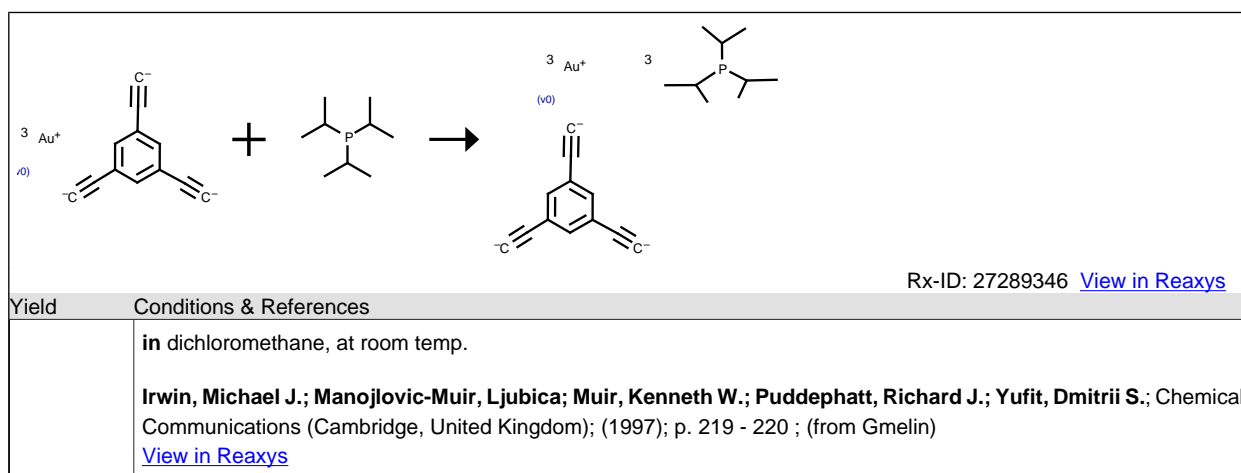
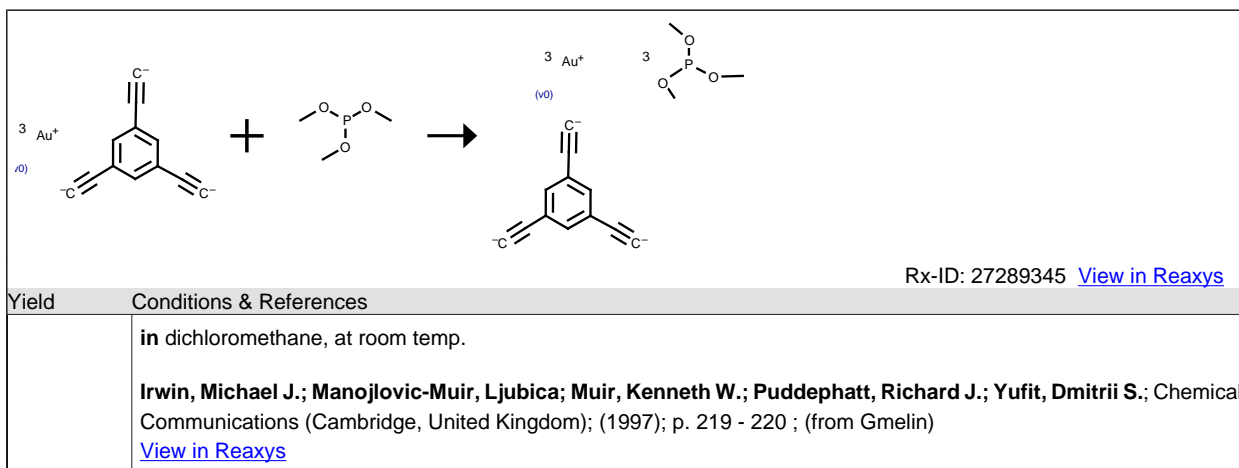
Yield	Conditions & References
	<p>in acetone, at room temp., pptn.</p> <p>Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)</p> <p>View in Reaxys</p>


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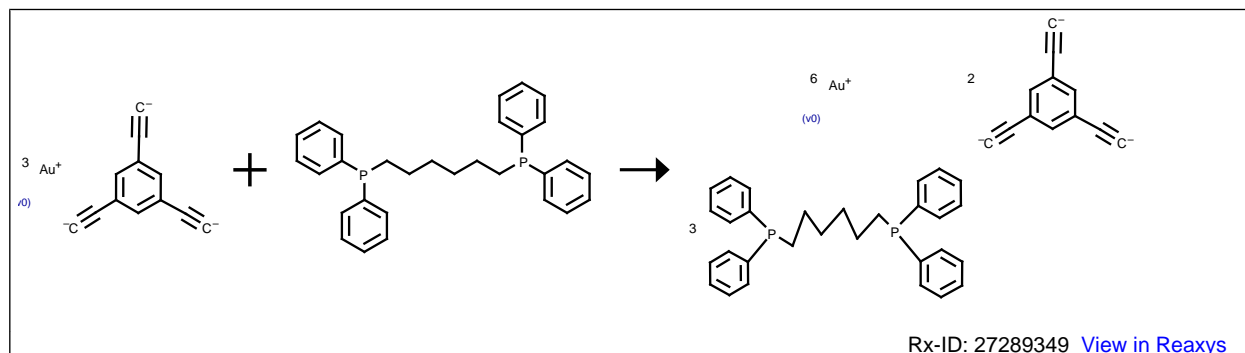
Yield	Conditions & References
	<p>in acetone, at room temp., pptn.</p> <p>Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)</p> <p>View in Reaxys</p>


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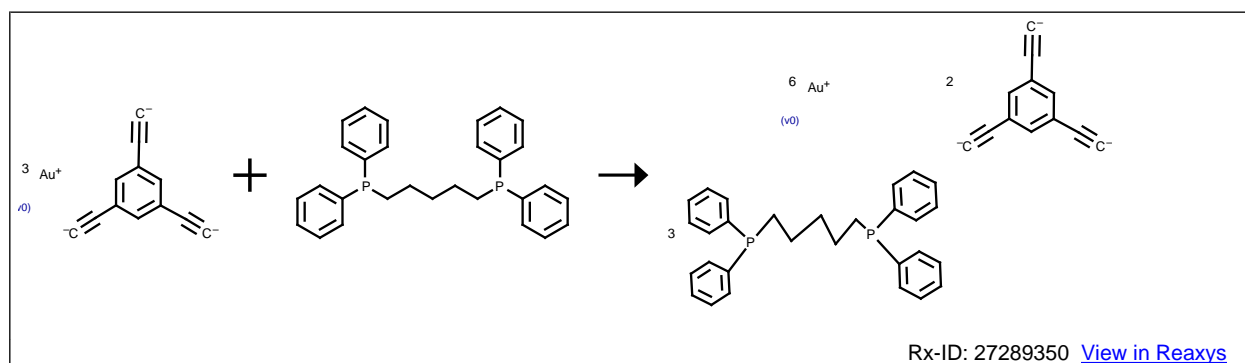
Yield	Conditions & References
	<p>in dichloromethane, at room temp.</p> <p>Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)</p> <p>View in Reaxys</p>



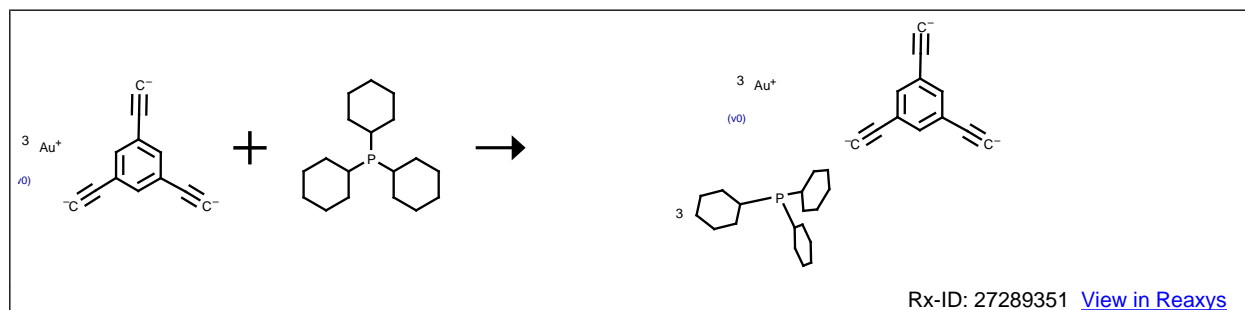
Yield	Conditions & References
	<p>in acetone, at room temp., pptn.</p> <p>Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)</p> <p>View in Reaxys</p>



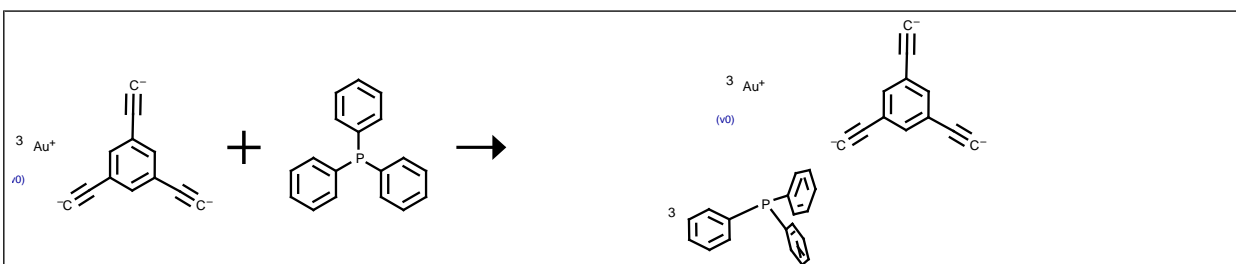
Yield	Conditions & References
	<p>in acetone, at room temp., pptn.</p> <p>Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)</p> <p>View in Reaxys</p>



Yield	Conditions & References
	<p>in acetone, at room temp., pptn.</p> <p>Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)</p> <p>View in Reaxys</p>



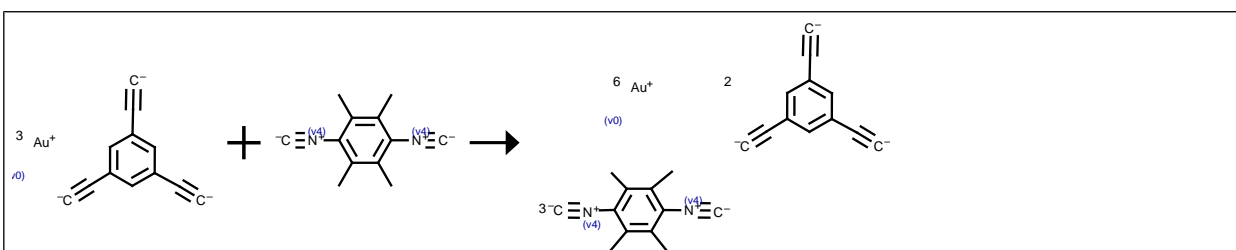
Yield	Conditions & References
	<p>in dichloromethane, at room temp.</p> <p>Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)</p>

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Yield Conditions & References

in dichloromethane, at room temp.

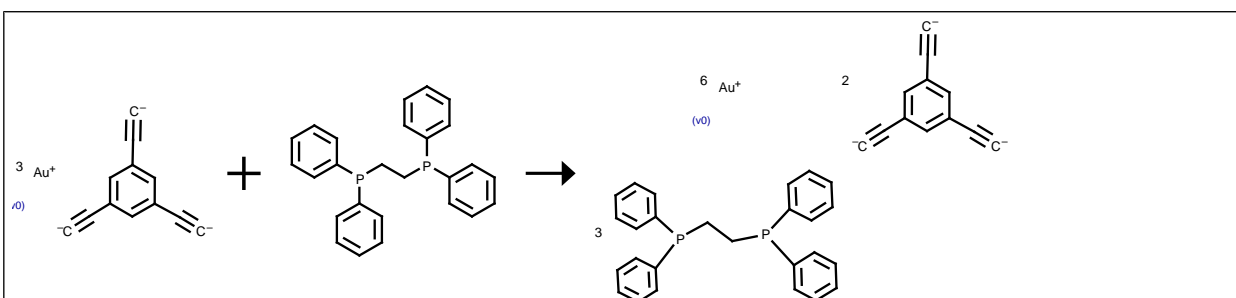
Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)

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Yield Conditions & References

in acetone, at room temp., pptn.

Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)

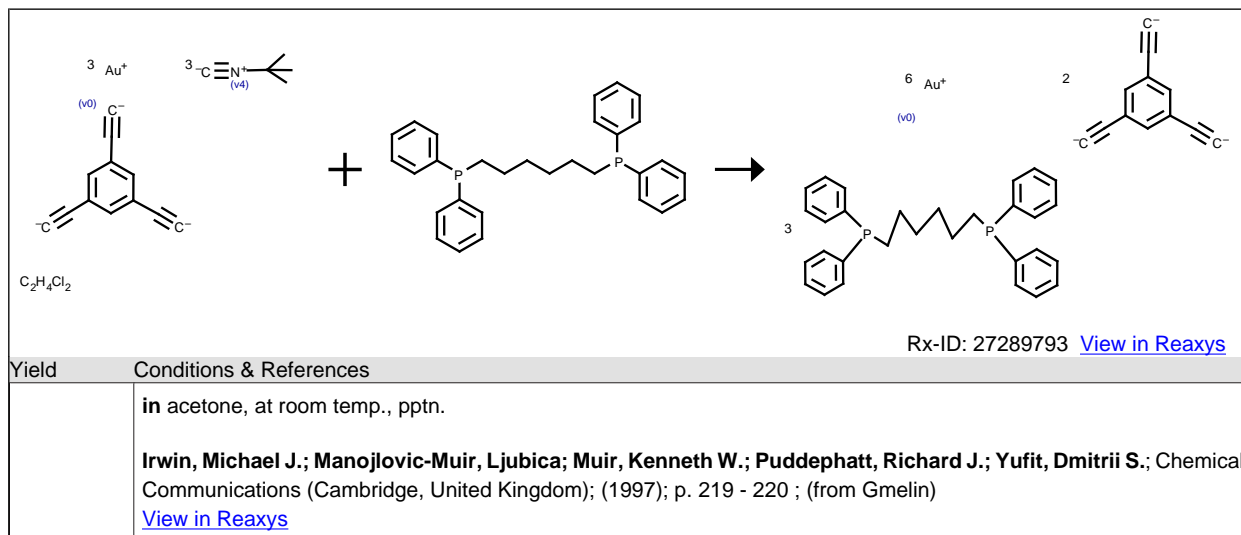
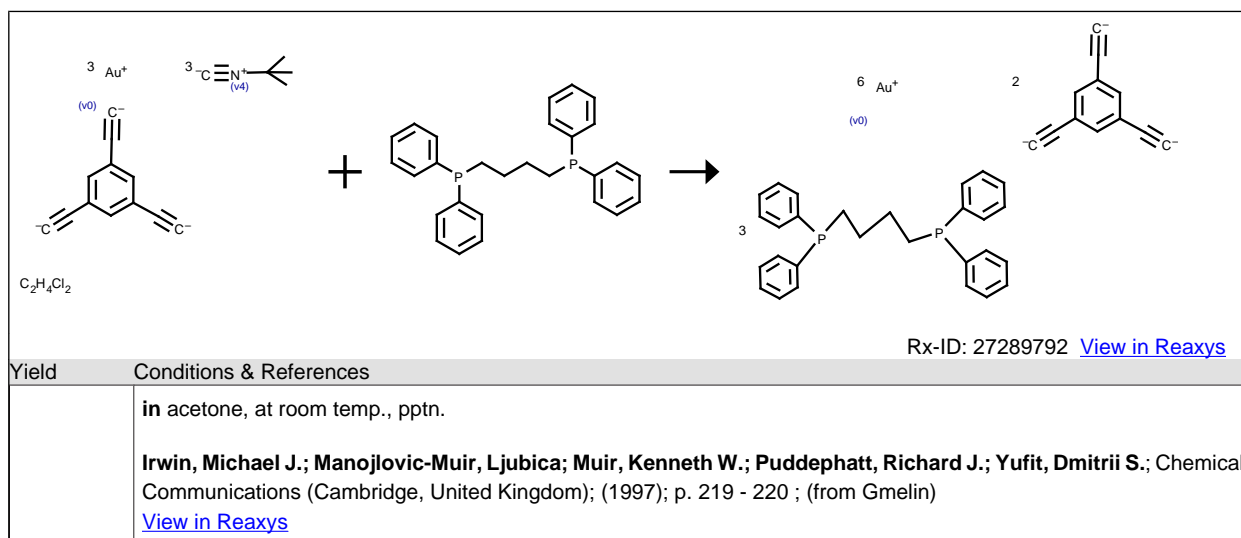
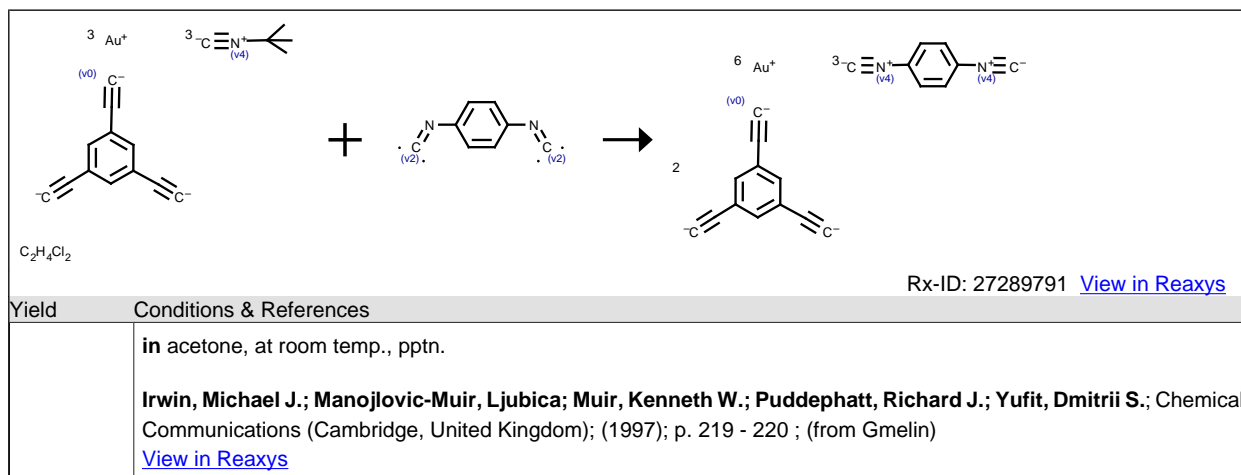
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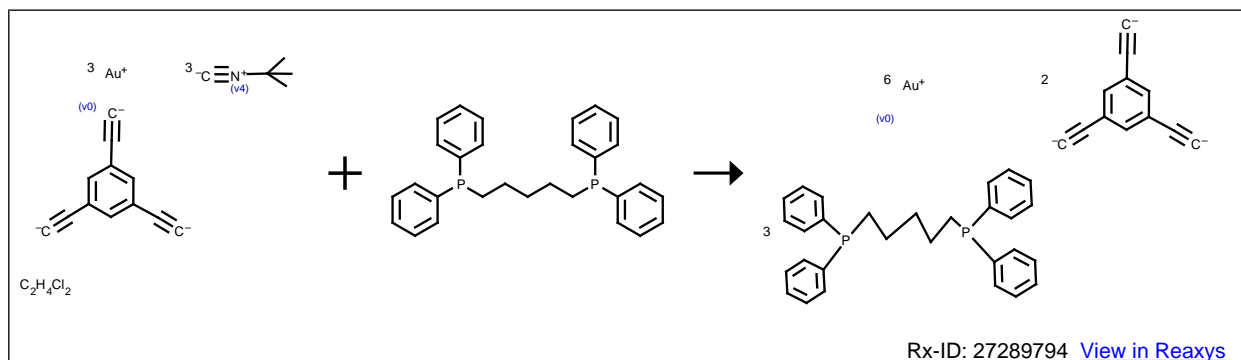
Yield Conditions & References

in acetone, at room temp., pptn.

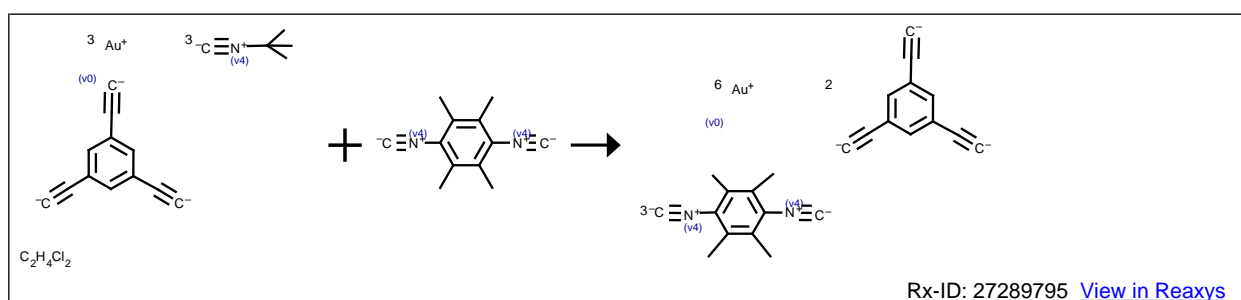
Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)

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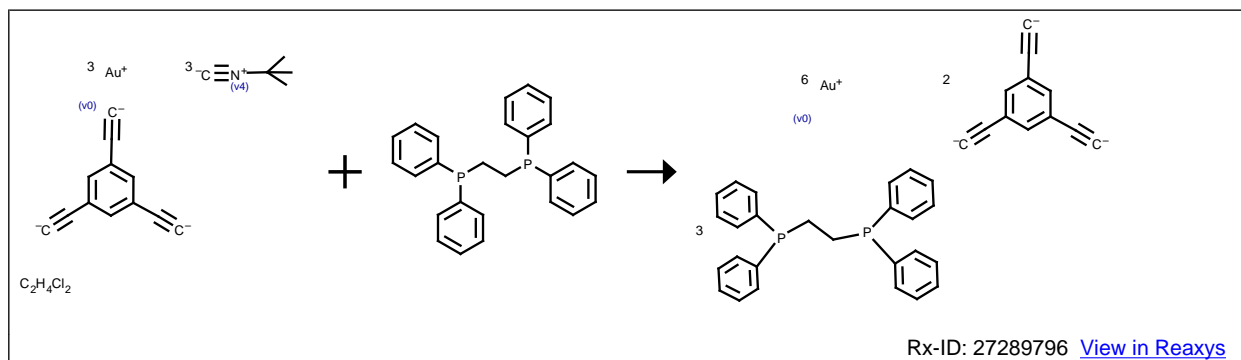




Yield	Conditions & References
	<p>in acetone, at room temp., pptn.</p> <p>Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)</p> <p>View in Reaxys</p>



Yield	Conditions & References
	<p>in acetone, at room temp., pptn.</p> <p>Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)</p> <p>View in Reaxys</p>



Yield	Conditions & References
	<p>in acetone, at room temp., pptn.</p> <p>Irwin, Michael J.; Manojlovic-Muir, Ljubica; Muir, Kenneth W.; Puddephatt, Richard J.; Yufit, Dmitrii S.; Chemical Communications (Cambridge, United Kingdom); (1997); p. 219 - 220 ; (from Gmelin)</p> <p>View in Reaxys</p>

