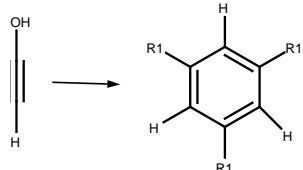
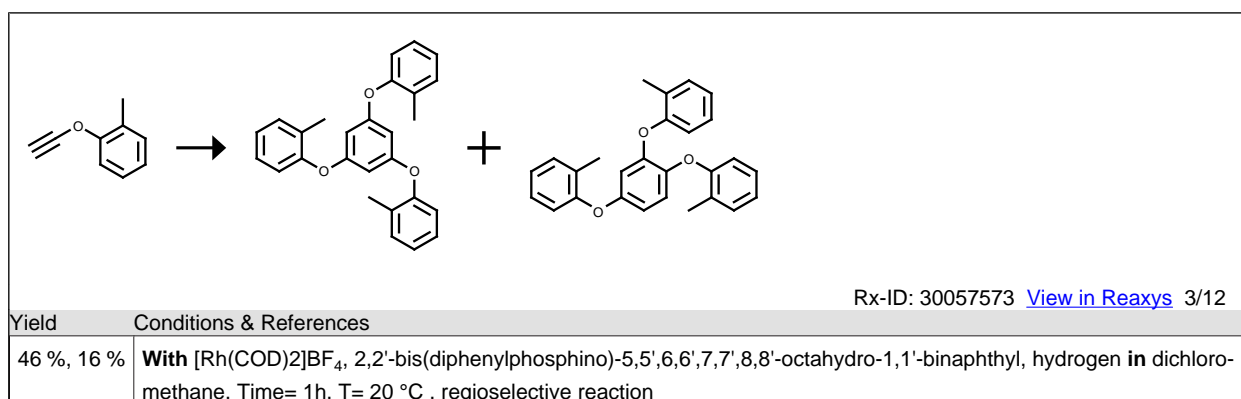
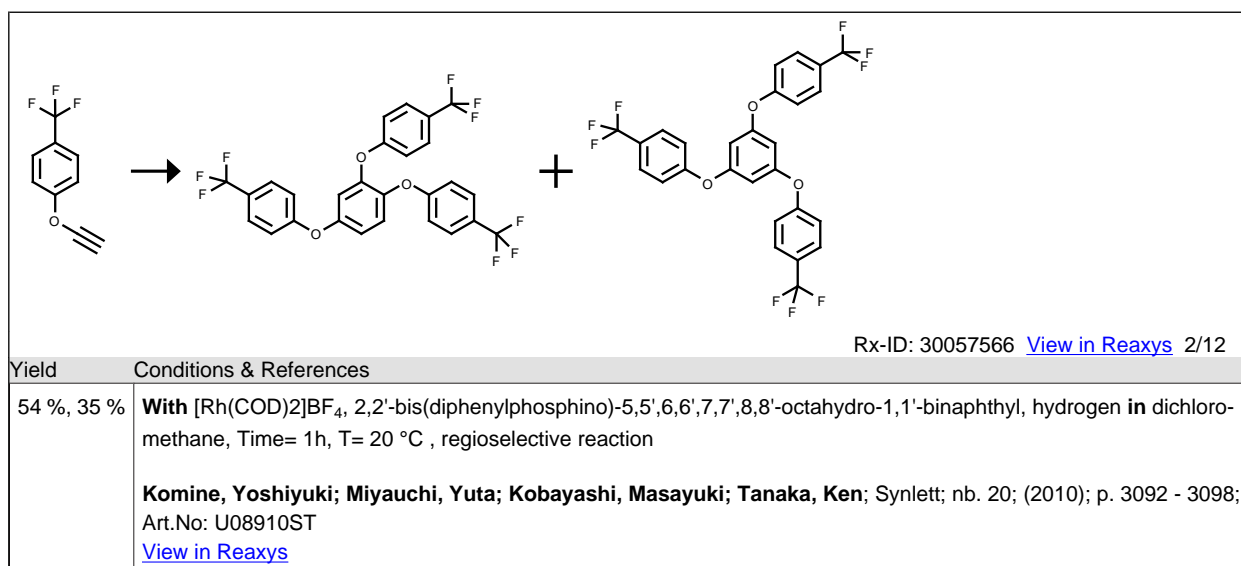
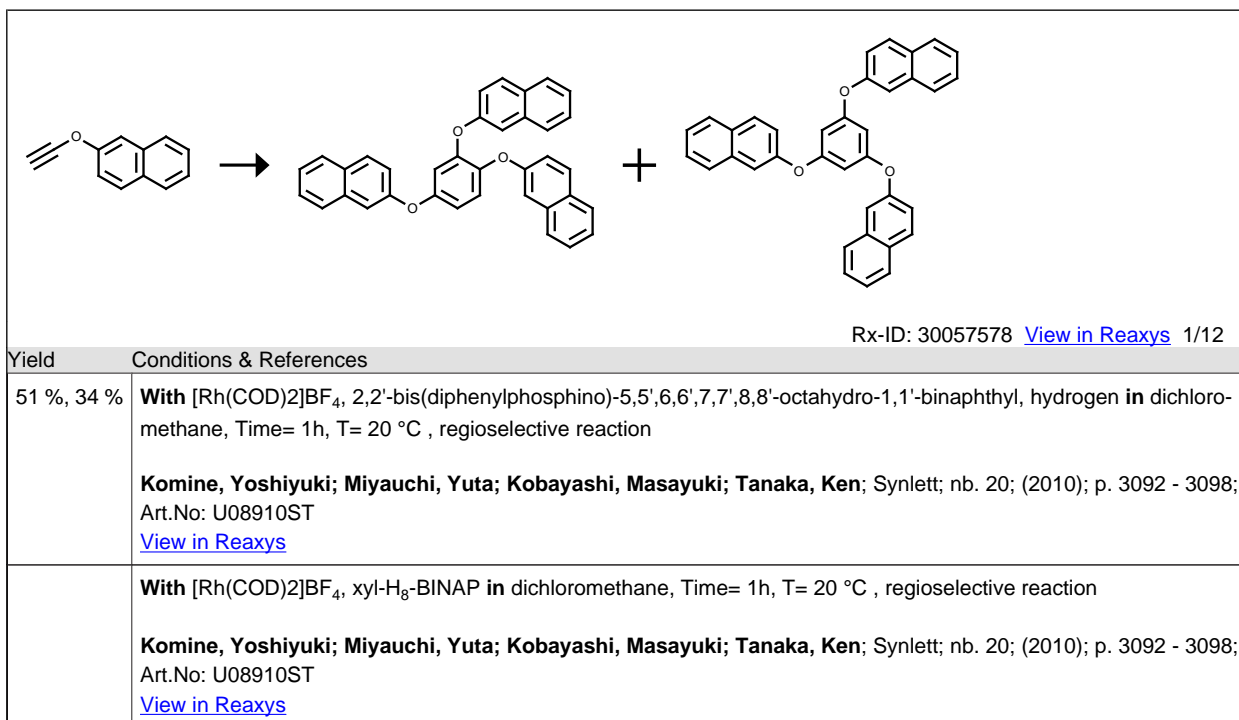
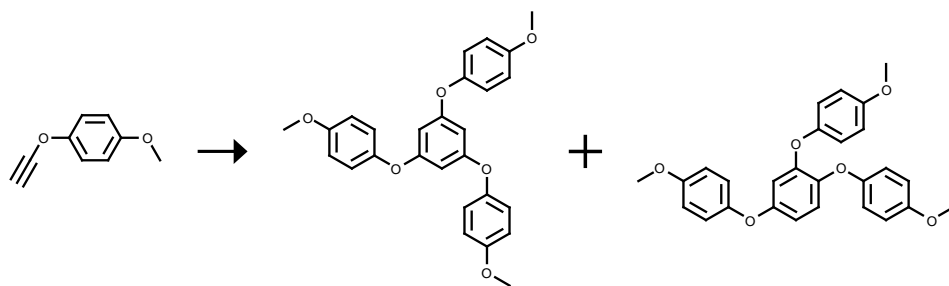


Query

	Query	Results	Date
1. Query	 <p>Search as: Product, Substructure: on heteroatoms, No salts, No mixtures</p>	16 reactions	2012-04-04 01h:21m:41s (EST)



Komine, Yoshiyuki; Miyauchi, Yuta; Kobayashi, Masayuki; Tanaka, Ken; Synlett; nb. 20; (2010); p. 3092 - 3098;
 Art.No: U08910ST
[View in Reaxys](#)

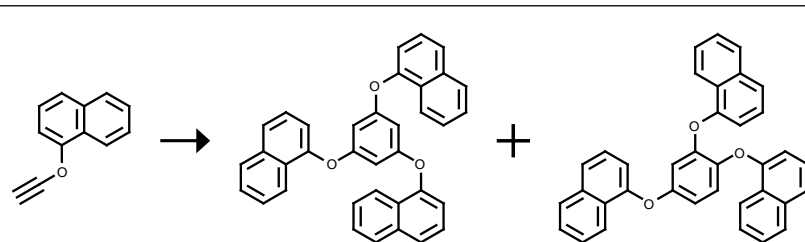


Rx-ID: 30057576 [View in Reaxys](#) 4/12

Yield **Conditions & References**

51 %, 25 % **With** [Rh(COD)₂]BF₄, 2,2'-bis(diphenylphosphino)-5,5',6,6',7,7',8,8'-octahydro-1,1'-binaphthyl, hydrogen in dichloromethane, Time= 1h, T= 20 °C , regioselective reaction

Komine, Yoshiyuki; Miyauchi, Yuta; Kobayashi, Masayuki; Tanaka, Ken; Synlett; nb. 20; (2010); p. 3092 - 3098;
 Art.No: U08910ST
[View in Reaxys](#)

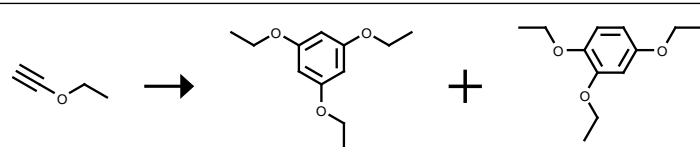


Rx-ID: 30057574 [View in Reaxys](#) 5/12

Yield **Conditions & References**

40 %, 26 % **With** [Rh(COD)₂]BF₄, 2,2'-bis(diphenylphosphino)-5,5',6,6',7,7',8,8'-octahydro-1,1'-binaphthyl, hydrogen in dichloromethane, Time= 1h, T= 20 °C , regioselective reaction

Komine, Yoshiyuki; Miyauchi, Yuta; Kobayashi, Masayuki; Tanaka, Ken; Synlett; nb. 20; (2010); p. 3092 - 3098;
 Art.No: U08910ST
[View in Reaxys](#)

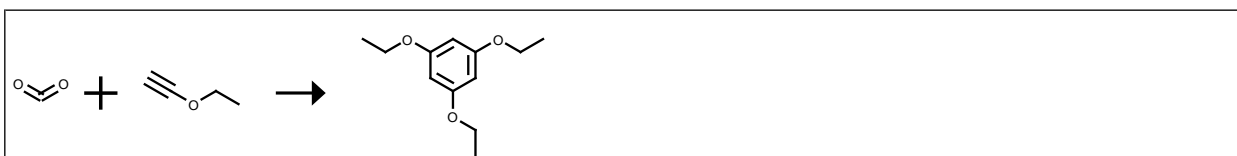


Rx-ID: 29621681 [View in Reaxys](#) 6/12

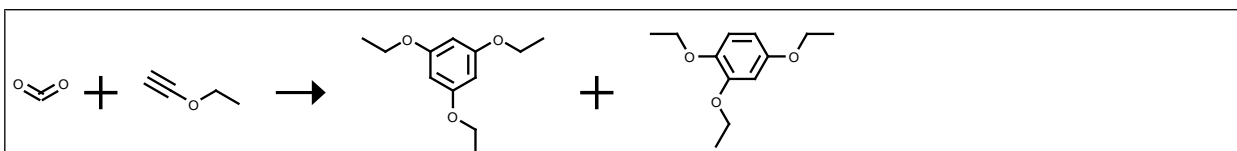
Yield **Conditions & References**

With di[(2,4-bis-tert-butyl-1-methoxy-3-neopentylcyclopentadienyl)dichlororuthenium(III)] in dichloromethane, Time= 8h, T= 60 °C , regioselective reaction

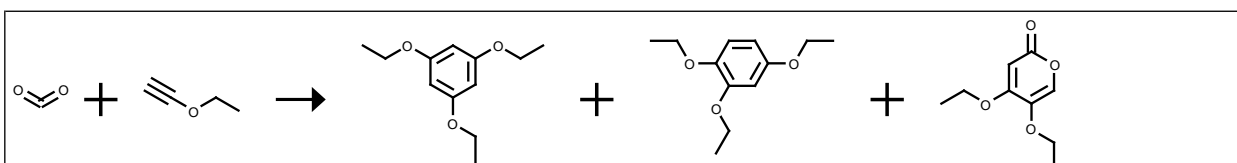
Dutta, Barnali; Curchod, Basile F. E.; Campomanes, Pablo; Solari, Euro; Scopelliti, Rosario; Rothlisberger, Ursula; Severin, Kay; Chemistry--A European Journal; vol. 16; nb. 28; (2010); p. 8400 - 8409
[View in Reaxys](#)


 Rx-ID: 3740934 [View in Reaxys](#) 7/12

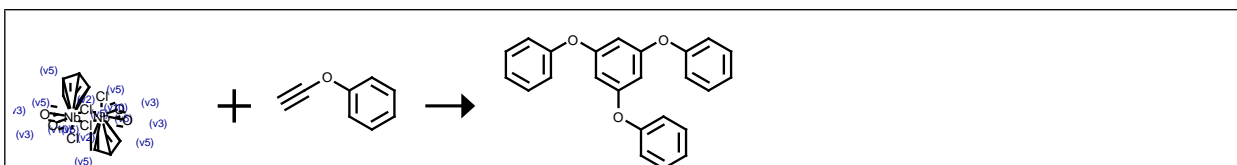
Yield	Conditions & References
43 % Chromat.	<p>With bis(1,5-cyclooctadiene)nickel⁽⁰⁾, triphenylphosphine in tetrahydrofuran, Time= 20h, T= 80 °C</p> <p>Tsuda, Tetsuo; Kunisada, Kazuhiro; Nagahama, Norio; Morikawa, Shonei; Saegusa, Takeo; Synthetic Communications; vol. 19; nb. 9-10; (1989); p. 1575 - 1582</p> <p>View in Reaxys</p>


 Rx-ID: 3740935 [View in Reaxys](#) 8/12

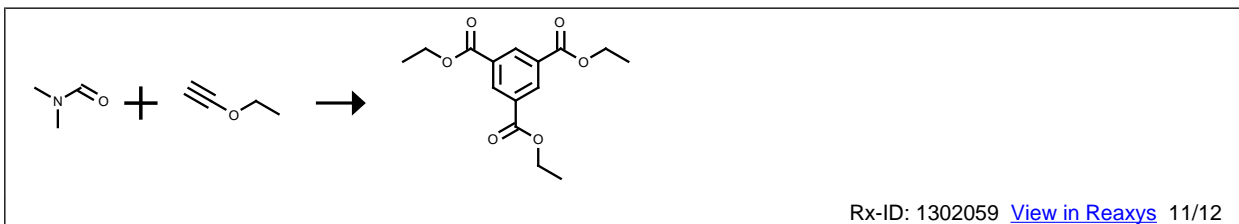
Yield	Conditions & References
40 % Chromat., 14 % Chromat.	<p>With bis(1,5-cyclooctadiene)nickel⁽⁰⁾, tri-cyclo-hexyl-phosphine in tetrahydrofuran, Time= 20h, T= 80 °C</p> <p>Tsuda, Tetsuo; Kunisada, Kazuhiro; Nagahama, Norio; Morikawa, Shonei; Saegusa, Takeo; Synthetic Communications; vol. 19; nb. 9-10; (1989); p. 1575 - 1582</p> <p>View in Reaxys</p>


 Rx-ID: 3740936 [View in Reaxys](#) 9/12

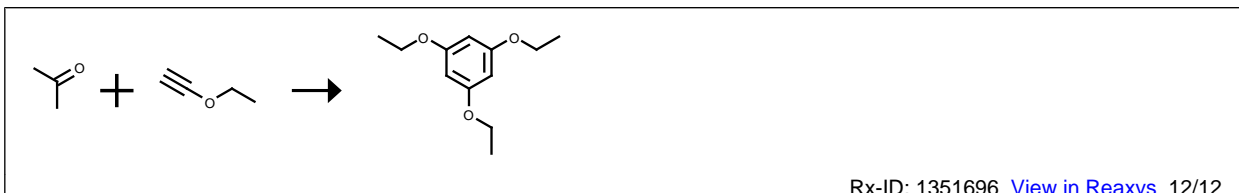
Yield	Conditions & References
3 % Chromat., 33 %	<p>With bis(1,5-cyclooctadiene)nickel⁽⁰⁾, diethylphosphinoethane in tetrahydrofuran, Time= 20h, T= 80 °C</p> <p>Tsuda, Tetsuo; Kunisada, Kazuhiro; Nagahama, Norio; Morikawa, Shonei; Saegusa, Takeo; Synthetic Communications; vol. 19; nb. 9-10; (1989); p. 1575 - 1582</p> <p>View in Reaxys</p>
18 % Chromat., 26 % Chromat., 9 % Chromat.	<p>With bis(1,5-cyclooctadiene)nickel⁽⁰⁾, diethylphosphinoethane in tetrahydrofuran, Time= 20h, T= 80 °C, other reagent, Product distribution</p> <p>Tsuda, Tetsuo; Kunisada, Kazuhiro; Nagahama, Norio; Morikawa, Shonei; Saegusa, Takeo; Synthetic Communications; vol. 19; nb. 9-10; (1989); p. 1575 - 1582</p> <p>View in Reaxys</p>


 Rx-ID: 26626867 [View in Reaxys](#) 10/12

Yield	Conditions & References
	<p>in tetrahydrofuran, Phenylacetylene was added to (Cp)2NbCl(CO)2(μ-Cl)2 dissolved in THF, heating to reflux for 24h</p> <p>Curtis, M. David; Real, Julio; Kwon, Daekeun; Organometallics; vol. 8; (1989); p. 1644 - 1651 ; (from Gmelin)</p> <p>View in Reaxys</p>



Yield	Conditions & References
	<p>With boron trifluoride diethyl etherate, Time= 48h</p> <p>Vieregge,H. et al.; Recueil des Travaux Chimiques des Pays-Bas; vol. 85; (1966); p. 929 - 951 View in Reaxys</p>



Yield	Conditions & References
	<p>Irradiation</p> <p>Bos,H.J.T. et al.; Recueil des Travaux Chimiques des Pays-Bas; vol. 91; (1972); p. 65 - 74 View in Reaxys</p>