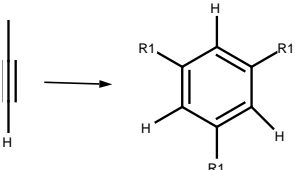
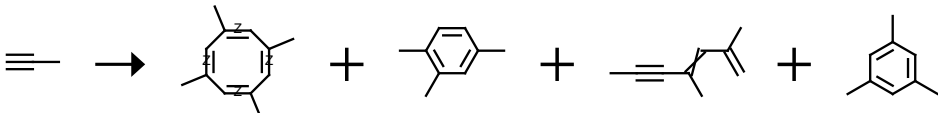


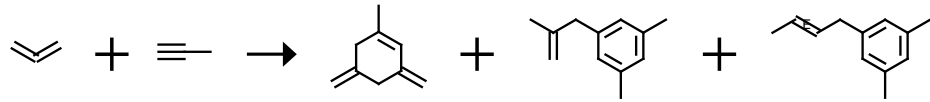
## Query

	Query	Results	Date
1. Query	 <p>Search as: Product, As drawn, No salts, No mixtures</p>	20 reactions	2012-04-04 02h:08m:12s (EST)



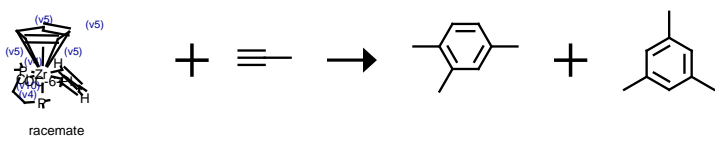
Rx-ID: 3831686 [View in Reaxys](#) 1/17

Yield	Conditions & References
2.01 g, 1.1 g	<p><b>With</b> bis(1,5-cyclooctadiene)nickel<sup>(0)</sup> in toluene, Time= 20h, T= 90 °C , Further byproducts given</p> <p><b>Cermak, Jan; Blechta, Vratislav; Chvalovsky, Vaclav;</b> Collection of Czechoslovak Chemical Communications; <b>vol. 53; nb. 6; (1988); p. 1274 - 1286</b></p> <p><a href="#">View in Reaxys</a></p>
	<p><b>With</b> bis(1,5-cyclooctadiene)nickel<sup>(0)</sup> in toluene, Time= 20h, T= 90 °C , Further byproducts given. Yields of byproduct given. Title compound not separated from byproducts</p> <p><b>Cermak, Jan; Blechta, Vratislav; Chvalovsky, Vaclav;</b> Collection of Czechoslovak Chemical Communications; <b>vol. 53; nb. 6; (1988); p. 1274 - 1286</b></p> <p><a href="#">View in Reaxys</a></p>
1.1 g, 2.01 g	<p><b>With</b> bis(1,5-cyclooctadiene)nickel<sup>(0)</sup> in toluene, Time= 20h, T= 90 °C , Further byproducts given</p> <p><b>Cermak, Jan; Blechta, Vratislav; Chvalovsky, Vaclav;</b> Collection of Czechoslovak Chemical Communications; <b>vol. 53; nb. 6; (1988); p. 1274 - 1286</b></p> <p><a href="#">View in Reaxys</a></p>



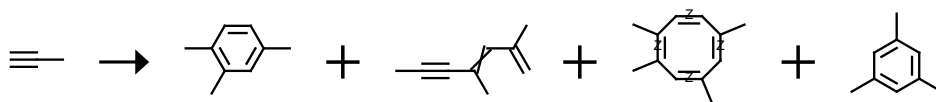
Rx-ID: 3831433 [View in Reaxys](#) 2/17

Yield	Conditions & References
0.13 g, 0.15 g	<p><b>With</b> Ni(PPh<sub>3</sub>)<sub>4</sub> in toluene, Time= 22h, T= 70 °C</p> <p><b>Cermak, Jan; Blechta, Vratislav; Chvalovsky, Vaclav;</b> Collection of Czechoslovak Chemical Communications; <b>vol. 53; nb. 6; (1988); p. 1274 - 1286</b></p> <p><a href="#">View in Reaxys</a></p>
0.15 g, 0.13 g	<p><b>With</b> Ni(PPh<sub>3</sub>)<sub>4</sub> in toluene, Time= 22h, T= 70 °C</p> <p><b>Cermak, Jan; Blechta, Vratislav; Chvalovsky, Vaclav;</b> Collection of Czechoslovak Chemical Communications; <b>vol. 53; nb. 6; (1988); p. 1274 - 1286</b></p> <p><a href="#">View in Reaxys</a></p>

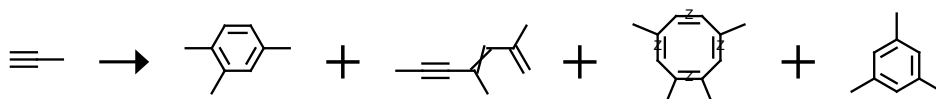


Rx-ID: 26635267 [View in Reaxys](#) 3/17

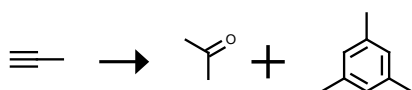
Yield	Conditions & References
55 %, 45 %	<p><b>in</b> benzene-d<sub>6</sub>, 1 turnover/day, catalytic react., 25.deg.C; products detd. by NMR and GC</p> <p><b>Wielstra, Ytsen; Gambarotta, Sandro; Meetsma, Auke; Boer, Jan L. de;</b> Organometallics; <b>vol. 8; (1989); p. 2696 - 2702 ; (from Gmelin)</b></p> <p><a href="#">View in Reaxys</a></p>


 Rx-ID: 3831689 [View in Reaxys](#) 4/17

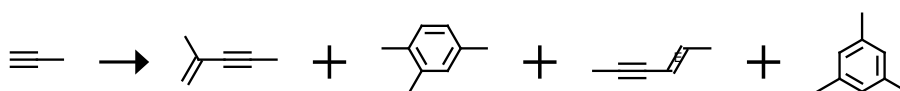
Yield	Conditions & References
2.01 g, 1.1 g	<p><b>With</b> bis(1,5-cyclooctadiene)nickel <sup>(0)</sup> <b>in</b> toluene, Time= 20h, T= 90 °C , Further byproducts given. Title compound not separated from byproducts</p> <p><b>Cermak, Jan; Blechta, Vratislav; Chvalovsky, Vaclav;</b> Collection of Czechoslovak Chemical Communications; <b>vol.</b> 53; nb. 6; (1988); p. 1274 - 1286  <a href="#">View in Reaxys</a></p>


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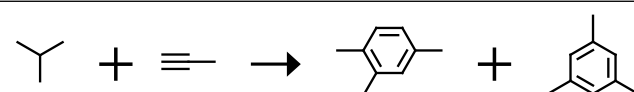
Yield	Conditions & References
2.01 g, 1.1 g	<p><b>With</b> bis(1,5-cyclooctadiene)nickel <sup>(0)</sup> <b>in</b> toluene, Time= 20h, T= 90 °C , Further byproducts given. Title compound not separated from byproducts</p> <p><b>Cermak, Jan; Blechta, Vratislav; Chvalovsky, Vaclav;</b> Collection of Czechoslovak Chemical Communications; <b>vol.</b> 53; nb. 6; (1988); p. 1274 - 1286  <a href="#">View in Reaxys</a></p>


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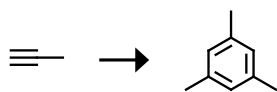
Yield	Conditions & References
	<p><b>With</b> water, T= 90 - 95 °C</p> <p><b>Kutscherow;</b> Chemische Berichte; <b>vol.</b> 17; (1884); p. 24  <a href="#">View in Reaxys</a></p>
	<p><b>With</b> sulfuric acid, Destillieren mit Wasser</p> <p><b>Schrohe;</b> Chemische Berichte; <b>vol.</b> 8; (1875); p. 367  <a href="#">View in Reaxys</a></p>


 Rx-ID: 3831685 [View in Reaxys](#) 7/17

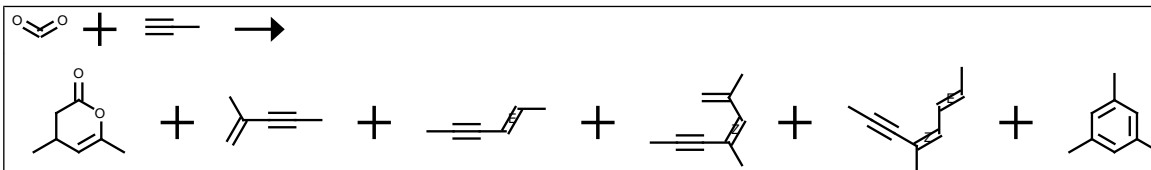
Yield	Conditions & References
	<p><b>With</b> Rh<sub>2</sub>Cl<sub>2</sub>(N-allylaniline)<sub>3</sub> <b>in</b> benzene, T= 20 °C , p= 760Torr , other unsaturated organic compounds, var. concentration of catalyst, var. solvents, var. temp.; other catalyst, Product distribution</p> <p><b>Aresta, M.; Fazio, M. De;</b> Journal of Organometallic Chemistry; <b>vol.</b> 186; nb. 1; (1980); p. 109 - 120  <a href="#">View in Reaxys</a></p>


 Rx-ID: 814735 [View in Reaxys](#) 8/17

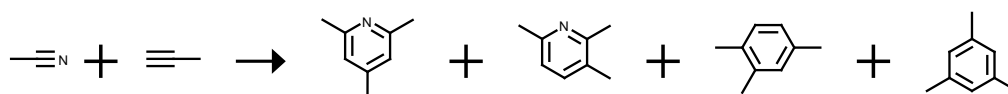
Yield	Conditions & References
	<p><b>With</b> chromium oxide silicon dioxide aluminium oxide catalyst, T= 95 °C</p> <p><b>Patent; Phillips Petr. Co.;</b> US2819325; (1953)  <a href="#">View in Reaxys</a></p>


 Rx-ID: 814783 [View in Reaxys](#) 9/17

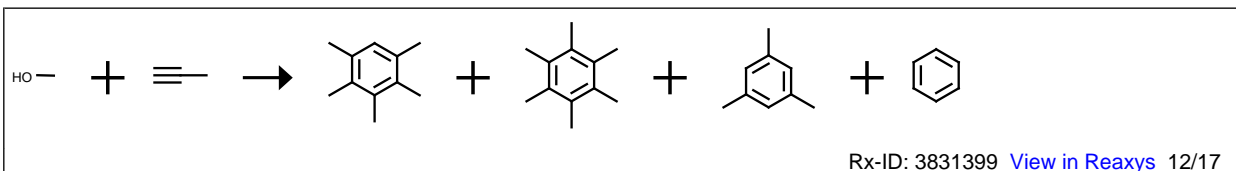
Yield	Conditions & References
	<p><b>With</b> sulfuric acid, water, bei der Destillation</p> <p><b>Fittig; Schrohe;</b> Chemische Berichte; <b>vol.</b> 8; (1875); p. 17,367  <a href="#">View in Reaxys</a></p>
	<p><b>Michael;</b> Journal fuer Praktische Chemie (Leipzig); <b>vol.</b> &lt;2&gt;60; (1899); p. 463; Journal fuer Praktische Chemie (Leipzig); <b>vol.</b> &lt;2&gt;64; (1901); p. 102  <a href="#">View in Reaxys</a></p>
	<p><b>With</b> silica gel, chromium powder, T= -173.15 °C , Product distribution, Further Variations: Temperatures</p> <p><b>Zecchina, A.; Bertarione, S.; Damin, A.; Scarano, D.; Lamberti, C.; Prestipino, C.; Spoto, G.; Bordiga, S.;</b> Physical Chemistry Chemical Physics; <b>vol.</b> 5; nb. 20; (2003); p. 4414 - 4417  <a href="#">View in Reaxys</a></p>


 Rx-ID: 3831473 [View in Reaxys](#) 10/17

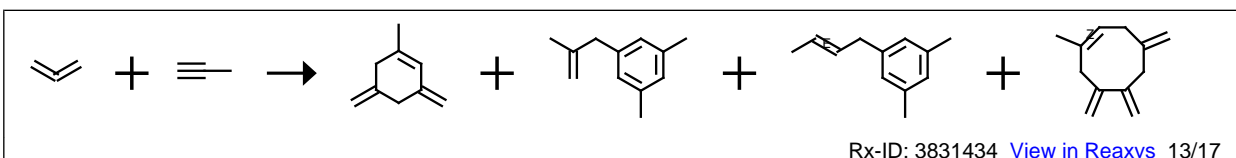
Yield	Conditions & References
	<p><b>With</b> cis-It;Rh(diphos)(CO)2gt;lt;BPh4gt; in acetonitrile, Time= 12h, T= 120 °C , p= 45600Torr , also without CO<sub>2</sub>; also dienes</p> <p><b>Albano, P.; Aresta, M.;</b> Journal of Organometallic Chemistry; <b>vol.</b> 190; nb. 3; (1980); p. 243 - 246  <a href="#">View in Reaxys</a></p>


 Rx-ID: 3738998 [View in Reaxys](#) 11/17

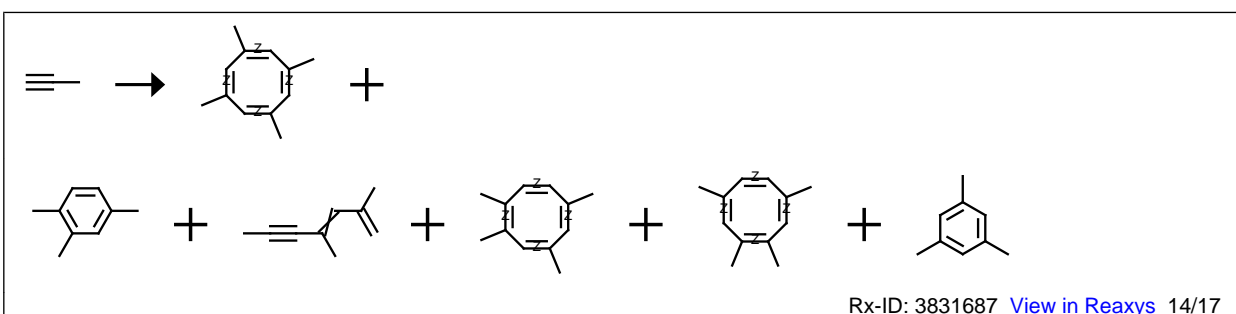
Yield	Conditions & References
	<p><b>With</b> .eta.5-carbomethoxycyclopentadienyl(.eta.4-cyclooctadiene)cobalt in benzene, Time= 20h, T= 100 °C , Yields of byproduct given. Title compound not separated from byproducts</p> <p><b>Wakatsuki, Yasuo; Yamazaki, Hiroshi;</b> Bulletin of the Chemical Society of Japan; <b>vol.</b> 58; nb. 9; (1985); p. 2715 - 2716  <a href="#">View in Reaxys</a></p>
	<p><b>With</b> .eta.5-carbomethoxycyclopentadienyl(.eta.4-cyclooctadiene)cobalt in benzene, Time= 20h, T= 100 °C , other catalyst, other temperature, Product distribution</p> <p><b>Wakatsuki, Yasuo; Yamazaki, Hiroshi;</b> Bulletin of the Chemical Society of Japan; <b>vol.</b> 58; nb. 9; (1985); p. 2715 - 2716  <a href="#">View in Reaxys</a></p>



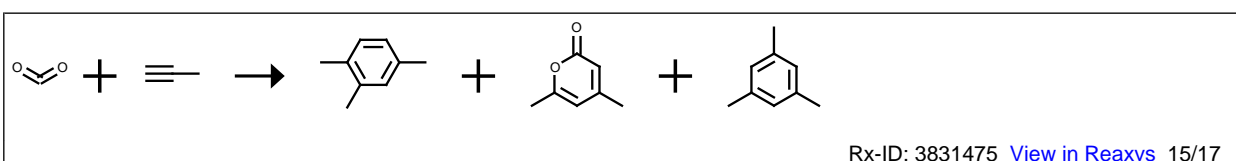
Yield	Conditions & References
	<p><b>With</b> aluminum oxide, Time= 0.5h, flowrate: 20 ml/ h</p> <p><b>Jayamani, M.; Pillai, C. N.;</b> Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry; <b>vol.</b> 24; (1985); p. 687 - 689</p> <p><a href="#">View in Reaxys</a></p>



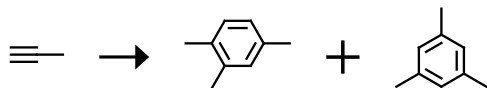
Yield	Conditions & References
0.15 g, 0.13 g	<p><b>With</b> Ni(PPh<sub>3</sub>)<sub>4</sub> in toluene, Time= 22h, T= 70 °C</p> <p><b>Cermak, Jan; Blechta, Vratislav; Chvalovsky, Vaclav;</b> Collection of Czechoslovak Chemical Communications; <b>vol.</b> 53; nb. 6; (1988); p. 1274 - 1286</p> <p><a href="#">View in Reaxys</a></p>



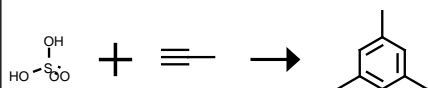
Yield	Conditions & References
2.01 g, 1.1 g	<p><b>With</b> bis(1,5-cyclooctadiene)nickel<sup>(0)</sup> in toluene, Time= 20h, T= 90 °C</p> <p><b>Cermak, Jan; Blechta, Vratislav; Chvalovsky, Vaclav;</b> Collection of Czechoslovak Chemical Communications; <b>vol.</b> 53; nb. 6; (1988); p. 1274 - 1286</p> <p><a href="#">View in Reaxys</a></p>



Yield	Conditions & References
	<p><b>With</b> dodecacarbonyltetrahodium<sup>(0)</sup>, silica gel, Time= 10h, T= 130 °C , other catalysts; var. temp. and reaction time, Product distribution</p> <p><b>Pillai, S. Muthukumar; Ohnishi, Ryuichiro; Ichikawa, Masaru;</b> Journal of the Chemical Society, Chemical Communications; nb. 3; (1990); p. 246 - 247</p> <p><a href="#">View in Reaxys</a></p>


 Rx-ID: 3831688 [View in Reaxys](#) 16/17

Yield	Conditions & References
	<p>With silica-alumina-supported Cr(VI), Product distribution</p> <p><b>Ferrieri, Richard A.; Wolf, Alfred P.</b>; Journal of Physical Chemistry; <b>vol.</b> 88; nb. 11; (1984); p. 2256 - 2263  <a href="#">View in Reaxys</a></p>


 Rx-ID: 6188502 [View in Reaxys](#) 17/17

Yield	Conditions & References
	<p>das entstehende Produkt wird durch Wasser in Aceton und Schwefelsaeure zersetzt, waehrend es bei der Destillation mit Wasser</p> <p><b>Schrohe</b>; Chemische Berichte; <b>vol.</b> 8; (1875); p. 18,367  <a href="#">View in Reaxys</a></p> <p><b>Michael</b>; Journal fuer Praktische Chemie (Leipzig); <b>vol.</b> &lt;2&gt;60; (1899); p. 463; Journal fuer Praktische Chemie (Leipzig); <b>vol.</b> &lt;2&gt;64; (1901); p. 102  <a href="#">View in Reaxys</a></p>