

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	40790
<b>Product</b>	<b>[RuCl(<i>p</i>-cymene)((<i>S</i>)-binap)]Cl</b> Chloro[ <i>(S)</i> -(-)-2,2'-bis(diphenylphosphino)-1,1'-binaphthyl]( <i>p</i> - <i>(S)</i> -RuCl[( <i>p</i> -cymene(BINAP)]Cl
<b>CAS Number</b>	130004-33-0
<b>Molecular Formula</b>	C <sub>54</sub> H <sub>46</sub> Cl <sub>2</sub> P <sub>2</sub> Ru
<b>Molecular Weight</b>	928.88

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<b>Warnings</b>	<i>Air sensitive! Store under inert gas!</i>
<b>Appearance</b>	White, brown or dark purple crystalline powder
<b>Melting Point</b>	280 - 287 °C
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = -610 to -510 ° (C = 0.5 in Chloroform)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b><sup>31</sup>P NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 90%
<b>Storage</b>	Store at 2 - 8 °C

**For Laboratory Use Only**