

# Chem-Impex International, Inc.

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## Product Specifications

<b>Catalogue Number</b>	40800
<b>Product</b>	<b>RuCl<sub>2</sub>[(S)-xylbinap][(S,S)-dpen]</b> Dichloro[(S)-2,2'-bis[di(3,5-xyllyl)phosphino]-1,1'-binaphthyl]
<b>CAS Number</b>	220114-03-4
<b>Molecular Formula</b>	C <sub>66</sub> H <sub>64</sub> Cl <sub>2</sub> N <sub>2</sub> P <sub>2</sub> Ru
<b>Molecular Weight</b>	1119.17

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<b>Warnings</b>	<i>Air sensitive! Store under inert gas!</i>
<b>Appearance</b>	Slightly yellow to amber to dark green crystal
<b>Optical Rotation</b>	$[\alpha]^{20}_D = -770$ to $-630$ ° (C = 0.5 in Chloroform)
<b>Infrared Spectrum</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b><sup>31</sup>P NMR</b>	Conforms to structure
<b>Storage</b>	Store at 2 - 8 °C

**For Laboratory Use Only**