

# Chem-Impex International, Inc.

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**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	40798
<b>Product</b>	<b>RuCl<sub>2</sub>[(R)-xylbinap][(R,R)-dpen]</b> Dichloro[(R)-2,2'-bis[di(3,5-xylyl)phosphino]-1,1'-binaphthyl]
<b>CAS Number</b>	220114-38-5
<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>	Orange or brown crystalline powder
<b>Optical Rotation</b>	$[\alpha]^{20}_D = 600 - 720^\circ$ (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**