

# *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>	40786
<b>Product</b>	<b>[RuCl(<i>p</i>-cymene)((<i>S</i>)-tolbinap)]Cl</b> Chloro[( <i>S</i> )-(-)-2,2'-bis(di- <i>p</i> -tolylphosphino)-1,1'-binaphthyl]( <i>p</i> - <i>S</i> )-RuCl[( <i>p</i> -cymene)(T-BINAP)]Cl
<b>CAS Number</b>	228120-95-4
<b>Molecular Formula</b>	C <sub>58</sub> H <sub>54</sub> Cl <sub>2</sub> P <sub>2</sub> Ru
<b>Molecular Weight</b>	984.99

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<b>Warnings</b>	<i>Air sensitive! Store under inert gas!</i>
<b>Appearance</b>	Light yellow to brown crystal
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = -480 to -390 ° (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**