

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	40796
<b>Product</b>	<b>RuCl<sub>2</sub>[(R)-dm-segphos®][(R,R)-dpen]</b> Dichloro[(R)-5,5'-bis[di(3,5-xyllyl)phosphino]-4,4'-bi-1,3
<b>CAS Number</b>	944450-45-7
<b>Molecular Formula</b>	C <sub>60</sub> H <sub>60</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>4</sub> P <sub>2</sub> Ru
<b>Molecular Weight</b>	1107.07

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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>	$[\alpha]_{D}^{20} = 290 - 350^{\circ}$ (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**