

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	40783
<b>Product</b>	<b>Ru(OAc)<sub>2</sub>[(S)-tolbinap]</b> Diacetato[(S)-(-)-2,2'-bis(di- <i>p</i> -tolylphosphino)-1,1'-binaphthyl]
<b>CAS Number</b>	106681-15-6
<b>Molecular Formula</b>	C <sub>52</sub> H <sub>46</sub> O <sub>4</sub> P <sub>2</sub> Ru
<b>Molecular Weight</b>	897.95

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<b>Warnings</b>	<i>Light sensitive! Air sensitive! Store under inert gas!</i>
<b>Appearance</b>	Dark green, dark red or black crystalline powder
<b>Optical Rotation</b>	$[\alpha]_D^{20} = -1140$ to $-940$ ° (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**