

# *Chem-Impex International, Inc.*

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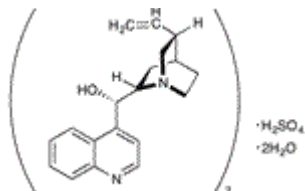
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Product Specifications*

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<b>Catalogue Number</b>	32459
<b>Product</b>	<b>Cinchonine sulfate dihydrate</b>
<b>CAS Number</b>	5949-16-6
<b>Molecular Formula</b>	$C_{38}H_{44}N_4O_2 \cdot H_2SO_4 \cdot 2H_2O$
<b>Molecular Weight</b>	686.87
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<b>Appearance</b>	White to light yellow crystalline powder
<b>Water Content (Karl Fisher)</b>	4.7 - 5.2%
<b>Optical Rotation</b>	$[\alpha]_{20/D} = 188 - 192^\circ$ (C=1 in EtOH)
<b>Assay by titration</b>	$\geq 98\%$
<b>Storage</b>	Store at RT

**For Laboratory Use Only**