

# 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

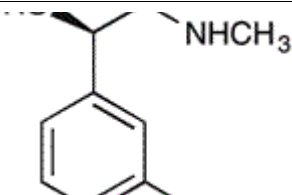
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	32504
<b>Product</b>	<b>L-Phenylephrine</b> (R)-(-)-3-[1-Hydroxy-2-(methylamino)ethyl]phenol (R)-(-)-3-Hydroxy- $\alpha$ -(methylaminomethyl)benzyl alcohol
<b>CAS Number</b>	59-42-7
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>13</sub> NO <sub>2</sub>
<b>Molecular Weight</b>	167.21

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<b>Appearance</b>	White or almost white crystalline powder
<b>Appearance of Solution</b>	The solution is clear and not more intensely colored than reference solution Y7
<b>Solubility</b>	Slightly soluble in water and methanol (96%); sparingly soluble in ethanol. It dissolves in dilute mineral acids and dilute solutions of alkali hydroxides.
<b>Melting Point</b>	172 - 174 °C
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>20</sup> = -53 to -57 °
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	≤ 0.5%
<b>Related Substances</b>	Impurities C : ≤ 0.1% Impurities E : ≤ 0.1% Unspecified impurities : ≤ 0.10% Total impurities : ≤ 0.2%
<b>Sulfated Ash</b>	≤ 0.1%
<b>Assay by titration</b>	99.0 - 100.5% (On dry basis)
<b>Grade</b>	EP
<b>Storage</b>	Store at RT

**For Laboratory Use Only**