

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Product Specifications

<b>Catalogue Number</b>	32505
<b>Product</b>	<b>(R)-(-)-Phenylephrine hydrochloride</b>  (R)-(-)-1-(3-Hydroxyphenyl)-2-methylaminoethanol hydrochloride  (R)-(-)-3-Hydroxy- $\alpha$ -(methylaminomethyl)benzyl alcohol hydrochloride
<b>CAS Number</b>	61-76-7
<b>Molecular Formula</b>	C <sub>9</sub> H <sub>13</sub> NO <sub>2</sub> •HCl

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<b>Appearance</b>	White to off-white crystalline powder
<b>Anion</b>	Chloride test : Positive Sulfate : $\leq 0.20\%$
<b>Optical Rotation</b>	$[\alpha]^{20}_D = -43$ to $-47^\circ$
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	$\leq 1.0\%$
<b>Residual Solvents</b>	Isopropanol : $\leq 0.5\%$ Methanol : $\leq 0.3\%$ Ethanol : $\leq 0.5\%$
<b>Related Substances</b>	Impurities C,D,E : $\leq 0.1\%$ Unspecified impurity : $\leq 0.10\%$ Total impurities : $\leq 0.2\%$ Norphenylephrine: $\leq 0.10\%$
<b>Residue On Ignition</b>	$\leq 0.2\%$
<b>Assay by titration</b>	98 - 102% (On dry basis)
<b>Grade</b>	USP
<b>Storage</b>	Store at RT
<b>Additional Information</b>	Retention time : Correspond to the reference

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**For Laboratory Use Only**