

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	39597
<b>Product</b>	<b>(2S,4S)-(+)-2,4-Pentanediol</b> (2S,4S)-(+)-2,4-Dihydroxypentane
<b>CAS Number</b>	72345-23-4
<b>Molecular Formula</b>	C <sub>5</sub> H <sub>12</sub> O <sub>2</sub>
<b>Molecular Weight</b>	104.15

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<b>Warnings</b>	<i>Hygroscopic! Store under inert gas!</i>
<b>Appearance</b>	White or off-white crystalline powder
<b>Solubility</b>	Almost clear solution in ethanol
<b>Melting Point</b>	45 - 50 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 54 ° (C=10 in EtOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by GC</b>	≥ 98%
<b>Storage</b>	Store at 2 - 8 °C

**For Laboratory Use Only**