

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	31886
<b>Product</b>	<b><i>N</i>-[(2<i>S</i>,3<i>R</i>)-3-Amino-2-hydroxy-4-phenylbutyryl]-L-leucine</b> ([2 <i>S</i> ,3 <i>R</i> ]-3-Amino-2-hydroxy-4-phenylbutanoyl)-L-leucine  Bestatin
<b>CAS Number</b>	58970-76-6
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>24</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	308.38
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<b>Appearance</b>	White to off-white powder
<b>Melting Point</b>	226.5 - 226.9 °C (dec.)
<b>Heavy Metals</b>	≤ 20 ppm
<b>pH</b>	4.5 - 7.0
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = -15.5 to -18.0 ° (C = 1 in 1N HCl)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	≤ 0.5%
<b>Related Substances</b>	≤ 2%
<b>Residue On Ignition</b>	≤ 0.1%
<b>Assay by titration</b>	≥ 99%
<b>Purity by HPLC</b>	≥ 99%
<b>Purity by TLC</b>	Single spot
<b>Storage</b>	Store at 0 - 8 °C

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**For Laboratory Use Only**