

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	06427
<b>Product</b>	<b><i>N<sup>α</sup>-Z-N<sup>γ</sup>-trityl-D-asparagine</i></b>
	Z-D-Asn(Trt)-OH
<b>CAS Number</b>	200259-87-6
<b>Molecular Formula</b>	C <sub>31</sub> H <sub>28</sub> N <sub>2</sub> O <sub>5</sub>
<b>Molecular Weight</b>	508.6

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.1 g in 3 ml MeOH)
<b>Melting Point</b>	184-191 °C
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = +22 ± 2° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 1% (80 °C, 2 hr)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 98%
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**