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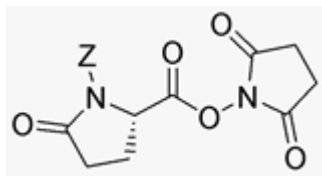
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	03891
Product	Z-L-pyroglutamic acid N-hydroxysuccinimide Z-L-Pyr-OSu Z-(S)-2-pyrrolidinone-5-carboxylic acid N-hydroxysuccinimide ester
CAS Number	40291-26-7
Molecular Formula	C ₁₇ H ₁₆ N ₂ O ₇
Molecular Weight	360.33

Warnings	Light sensitive!
Appearance	White to off-white solid
Solubility	Clear solution (50 mg in 1 mL Acetone)
Melting Point	130 - 140 °C
Elemental Analysis (Theory)	≤ 5% (C , H , N)
Water Content (Karl Fisher)	≤ 1%
Optical Rotation	[α] _D ²⁰ = -30.5 ± 2 ° (C=1 in DMF)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1% (80 °C, 2h)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.5% (ee)
D-Enantiomer	≤ 0.5%
Purity by HPLC	≥ 98%
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

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Catalog Number: 03891

For Laboratory Use Only