

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

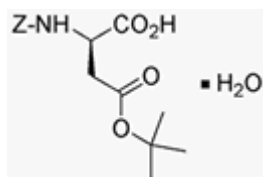
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	03843
Product	Z-D-aspartic acid β-tert-butyl ester hydrate Z-D-Asp(OtBu)-OH•H ₂ O
CAS Number	71449-08-6, 210471-09-3
Molecular Formula	C ₁₆ H ₂₁ NO ₆ ·H ₂ O
Molecular Weight	341.3

Appearance	White powder
Solubility	Clear Solution (0.3 g in 2 mL DMF)
Melting Point	~ 50 °C
Elemental Analysis (Theory)	≤ 5% (C, H, N)
Water Content (Karl Fisher)	≤ 6%
Optical Rotation	[α] _D ²⁰ = -27 ± 3 ° (C=1 in CHCl ₃)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
¹ H NMR	Conforms to structure
Chiral HPLC	≥ 99.5% (ee)
L-Enantiomer	≤ 0.5%
Purity by HPLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only