

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

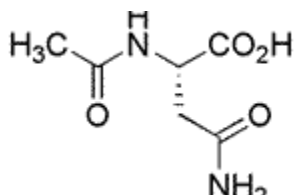
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	06704
Product	N^α-Acetyl-L-asparagine
	Ac-L-Asn-OH
	Ac-(S)-2-aminosuccinic acid 4-amide
CAS Number	4033-40-3
Molecular Formula	C ₆ H ₁₀ N ₂ O ₄
Molecular Weight	174.16

Appearance	White powder
Appearance of Solution	Clear, colorless solution (50 mg/mL in AcOH 80%)
Water Content (Karl Fisher)	≤ 2.0%
TLC System	Chloroform/Methanol/Acetic acid 32% (5:3:1) n-Butanol/Acetic acid/H ₂ O (4:2:2) Chloroform/Methanol/Acetic Acid/Water (70:42:0.5:10) Ethylacetate/Pyridine/Acetic Acid/H ₂ O (6:4:1:3) Plate: silicagel 60 F ₂₅₄ Detected by: UV, Ninhydrin, chlorine-tolidine
Optical Rotation	[α] _D ²⁴ = +35 ± 2° (C=1, in AcOH)
Assay	≥ 99% (Elemental analysis based on Nitrogen content)
D-Enantiomer	≤ 0.3%
Purity by TLC	≥ 98%
Chiral Purity	≥ 99.7% (ee)
Storage	Store at 0-8 °C

Product Specifications

Catalog Number: 06704

For Laboratory Use Only