

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

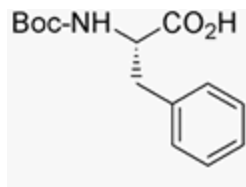
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	00775
Product	Boc-L-phenylalanine
	Boc-L-Phe-OH
	(S)-2-tert-Butoxycarbonylamino-3-phenylpropionic acid
CAS Number	13734-34-4
Molecular Formula	C ₁₄ H ₁₉ NO ₄
Molecular Weight	265.31
<hr/>	
Appearance	White powder
Solubility	Clear solution (0.3 g in 2 ml DMF)
Melting Point	80 - 90 °C
Elemental Analysis (Theory)	≤ 5.0% (C, H, N)
Water Content (Karl Fisher)	≤ 1%
Optical Rotation	[α] _D ²⁰ = +25 ± 2° (C=1 in EtOH)
Infrared Spectrum	Conforms to structure
Analysis by Mass Spectra	Conforms to standard
Loss on Drying	≤ 1% (35 °C, 2 hr)
¹H NMR	Conforms to structure
Chiral HPLC	≥ 99.5% (ee)
D-Enantiomer	≤ 0.5%
Purity by HPLC	≥ 99%
Purity by TLC	≥ 98%
Storage	Store at 0-8 °C

Product Specifications

Catalog Number: 00775

For Laboratory Use Only