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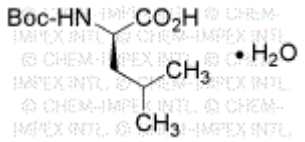

Product Specifications

Catalogue Number	01362
Product	**Boc-D-leucine hydrate** Boc-D-Leu-OH•H_2O (*R*)-Boc-2-amino-4-methylpentanoic acid hydrate
CAS Number	16937-99-8 (net), 200937-17-3
Molecular Formula	$C_{11}H_{21}NO_4$•H_2O
Molecular Weight	249.31

Appearance	White powder
Solubility	Clear solution (0.3g in 2mL DMF)
Melting Point	80 - 90 ºC
Water Content (Karl Fisher)	≤ 9%
Kaiser Test	≤ 0.05%
Optical Rotation	$[a]_D^{20}$ = +24 ± 2 º (C=2 in AcOH)
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%
Purity by TLC	≥ 98%
Storage	Store at 0 - 8 °C

For Laboratory Use Only