

Reanal Finechemical Co.

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E-mail: QC@reanal.huProduct: **L-Leucine benzyl ester toluene-4-sulfonate**Quality: **for synthesis**Product number: **18850**ID Number: **1540**CAS-No: **1738-77-8**

TEST	REQUIREMENT
Appearance	white to off-white powder
Identity (IR)	passes test
Assay (T)	98.0-102.0%
Melting range	152.0-160.0 °C
$[\alpha]_D^{20}$ (c=1; DMF)	+4.5° ~ +5.5°
Residue on ignition (SO <sub>4</sub> )	max. 0.2%
Water (KF)	max. 1.0%
Chromatographic purity (TLC) (1)EtOAc:nBuOH:AcOH:H <sub>2</sub> O=2:1:1:1 (V/V)	min. 99%
H-Leu-OH (TLC)	max. 0.3%
Chromatographic purity (HPLC)	min. 99.0%
D-enantiomer	max. 0.3%
Other amino acids	max. 0.2% (n/n)
Potential residual solvents	to be reported

Date (d/m/y): 26/08/2009

ÜRGE Károly  
QC manager