

Reanal Private Ltd.

PO Box 54, Budapest, Hungary, H-1441 www.reanal.com  
Tel: +36 (1) 467 7519 Fax: +36 (1) 252-1483 E-mail: QC@reanal.huProduct: **N- $\alpha$ -Fmoc-L-glutamic acid  $\alpha$ -t-butyl ester**Quality: **for synthesis**Product number: **22260**ID Number: **3394**CAS-No: **84793-07-7**

TEST	REQUIREMENT
Appearance	white to off-white powder
Identity (IR)	passes test
Assay (T)	95.0-102.0%
Solubility (0.5 mmol/ml DMF)	clear
Melting range	105.0-112.0 °C
$[\alpha]_D^{20}$ (c=1; EtOAc)	-8.0° ~ -11.0°
Residue on ignition (SO <sub>4</sub> )	max. 0.2%
Water (KF)	max. 1.0%
Chromatographic purity (TLC) (1)CHCl <sub>3</sub> :MeOH:AcOH=90:8:2 (V/V)	min. 98%
Chromatographic purity (HPLC)	min. 98.0%
D-enantiomer	max. 0.5%
Potential residual solvents	to be reported

Date (d/m/y): 27/08/2010

ÜRGE Károly  
QC manager