

Analytical Data Sheet

Lot number

1042771

not for drug use

Catalog Number	A-2945.0005
Product number	4015281.0005
Product	Boc- Asp- OFm
Molecular formula	$C_{23}H_{25}NO_6$
Relative molecular mass	411.46

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol) (after warming at 55 °C)
Identification (TLC)	complies with authentic material
Melting point	174 °C
Specific optical rotation	$[\alpha]_D^{24} = -14.6^\circ$ (1 % in dioxane)
Purity (HPLC)	99.7% TFA
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 85/10/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.9% (Cth 67.14 %, Cfd 67.10 %)
Latest update: May 23, 2012	Analytical Data Sheet Lot number 1042771