

Analytical Data Sheet

Lot number

1048269

not for drug use

Catalog Number	B-1740.0005
Product number	4015214.0005
Product	Fmoc- 3- iodo- Tyr- OH
Molecular formula	$C_{24}H_{20}INO_5$
Relative molecular mass	529.33

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in dioxane)
Identification (TLC)	complies with authentic material
Melting point	145 °C
Purity (HPLC)	98.3% (TFA)
Related impurities (HPLC)	0.7% Fmoc-3-iodo-Tyr(Fmoc)-OH
Purity (TLC)	> 98%
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 benzene/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 (titration)	96.1% (TBAH)
Residual organic solvents (GC)	1.6% ethylacetate 1.7% hexane

Latest update: May 22, 2013

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