

Analytical Data Sheet

Lot number **1000035206**
not for drug use

Product Fmoc-Asn-ONp

Product number **4003190.0005**

Molecular formula $C_{25}H_{21}N_3O_7$

Relative molecular mass 475.46

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (10 mg/mL in dimethylformamide)
Identification (elemental analysis)	Theory Found C = 63.15% C = 63.35% H = 4.45% H = 4.52 % N = 8.84% N = 8.77%
Melting point	186 °C
Specific optical rotation	$[\alpha]_D^{24} = -37.8^\circ$ (1% in dimethylformamide)
Purity (TLC)	Product decomposes on TLC-plate
TLC conditions	Benzene/dioxane/acetic acid 95/25/4 Chloroform / ethylacetate / acetic acid 50/50/2 chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 plate: silicagel 60 F ₂₅₄ Detected by: chlorine - toluidine
Enantiomer content (GC)	0.4% D-Isomer

Latest update: July 09, 2020

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