

Analytical Data Sheet

Lot number

0518636

not for drug use

Catalog Number	B-1540.0001
Product number	4007643.0001
Product	Fmoc- His(Bzl) - OH
Molecular formula	$C_{28}H_{25}N_3O_4$
Relative molecular mass	467.5

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml dimethylformamide)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 71.93 %</td> <td>C = 72.24 %</td> </tr> <tr> <td>H = 5.39 %</td> <td>H = 5.34 %</td> </tr> <tr> <td>N = 8.99 %</td> <td>N = 8.99 %</td> </tr> </table>	Theory	Found	C = 71.93 %	C = 72.24 %	H = 5.39 %	H = 5.34 %	N = 8.99 %	N = 8.99 %
Theory	Found								
C = 71.93 %	C = 72.24 %								
H = 5.39 %	H = 5.34 %								
N = 8.99 %	N = 8.99 %								
Identification (TLC)	complies with authentic material								
Melting point	171 °C								
Specific optical rotation	$[\alpha]_D^{24} = +114.4^\circ$ (1% in chloroform)								
Purity (HPLC)	99.8% (TFA, 260 nm)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Latest update: October 25, 2008	Analytical Data Sheet Lot number 0518636								