

Analytical Data Sheet

Lot number **1057732**
not for drug use

Catalog number **A-4195.0005**
Product number **4027838.0005**
Product **Boc- D- Asp- OFm**
Molecular formula $C_{23}H_{25}NO_6$
Relative molecular mass 411.46

Tests	Results								
Appearance	white lyophilisate								
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 67.14 %</td><td>C = 67.08 %</td></tr><tr><td>H = 6.12 %</td><td>H = 6.14 %</td></tr><tr><td>N = 3.40 %</td><td>N = 3.40 %</td></tr></tbody></table>	Theory	Found	C = 67.14 %	C = 67.08 %	H = 6.12 %	H = 6.14 %	N = 3.40 %	N = 3.40 %
Theory	Found								
C = 67.14 %	C = 67.08 %								
H = 6.12 %	H = 6.14 %								
N = 3.40 %	N = 3.40 %								
Identification (TLC)	conforms with authentic material								
Melting point	174 °C (decomposes)								
Specific optical rotation	$[\alpha]_D^{24} = +14.2^\circ$ (1 % in dioxane)								
Purity (TLC)	> 99%								
TLC conditions	toluene/dioxane/acetic acid 95/25/4 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.9% (Cth 67.14 %, Cfd 67.08 %)								
Water content (KF volumetric)	0.2%								