BACHEM
PIONEERING PARTNER FOR PEPTIDES

Analytical Data Sheet

Lot number **1066472**
not for drug use

Catalog number	**F-4140.0005**
Product number	**4038768.0005**
Product	**N- Me- D- Phg- OH**
Molecular formula	$C_9H_{11}NO_2$
Relative molecular mass	165.19

Tests	Results
Appearance	off-white powder
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)
Identification (ESI-MS)	m = 165.0u (average mass)
Identification (elemental analysis)	Theory Found C = 65.4 % C = 65.5 % H = 6.7 % H = 6.6 % N = 8.5 % N = 8.5 %
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24}$ = - 141.2 ° (1 % in acetic acid 80 %)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H_2O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F_{254} detected: UV, ninhydrin, chlorine-tolidine
Enantiomer content (GC)	0.3% L-Enantiomer
Assay (titration)	98.6% ($HClO_4$)