

Analytical Data Sheet

Lot number

1049491

not for drug use

Catalog Number	F-2975.0025
Product number	4018926.0025
Product	Ac- D- Phe- OMe
Molecular formula	$C_{12}H_{15}NO_3$
Relative molecular mass	221.26

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (TLC)	complies with authentic material
Melting point	90 °C
Specific optical rotation	$[\alpha]_D^{24} = -16.2^\circ$ (1 % in methanol)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.2% D-Phe-OMe
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 90/8/2 benzene/dioxane/acetic acid 95/25/4 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.8% (Cth 65.14 %, Cfd 65.03 %)
Latest update: August 12, 2013	