

Analytical Data Sheet

Lot number **1000026274**
not for drug use

Catalog number **M-1490.0001**
Product number **4004489.0001**
Product **Hippuryl- Phe- OH**
Molecular formula $C_{18}H_{18}N_2O_4$
Relative molecular mass 326.35

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (elemental analysis)	Theory Found C = 66.3 % C = 66.2 % H = 5.6 % H = 5.3 % N = 8.6 % N = 8.6 %
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +35.7^\circ$ (1 % in ethanol)
Purity (TLC)	> 99%
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 chloroform/methanol/acetic acid 77.5/15/7.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	99.8% (TBAH)

Latest update: December 18, 2019

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