

Analytical Data Sheet

Lot number **1000024405**
not for drug use

Catalog number **M-1295.1000**
Product number **4001257.1000**
Product **Z- Lys- ONp · HCl**
Molecular formula $C_{20}H_{23}N_3O_6 \cdot HCl$
Relative molecular mass 437.88

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)
Identification (elemental analysis)	Theory Found C = 54.4 % C = 54.3 % H = 5.6 % H = 5.5 % N = 9.5 % N = 9.5 %
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = -24.6^\circ$ (1 % in DMF)
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 n-butanol/acetic acid/H ₂ O 4/1/1 plate: silicagel 60 F ₂₅₄ detected: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.0% (Cth 54.86 %, Cfd 54.32 %)
Water content (KF volumetric)	0.2%
Chloride content (titration)	8.1% (AgNO ₃)

Latest update: November 06, 2019

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