

Analytical Data Sheet

Lot number **1057795**
not for drug use

Catalog number **C-2345.0005**
Product number **4001868.0005**
Product **Z- Phe- ONp**
Molecular formula $C_{23}H_{20}N_2O_6$
Relative molecular mass 420.42

Tests	Results
Appearance	white powder
Appearance of solution	clear, yellowish solution in acetone (50 mg/ml)
Identification (elemental analysis)	Theory Found C = 65.7 % C = 65.7 % H = 4.8 % H = 4.6 % N = 6.7 % N = 6.6 %
Identification (TLC)	complies with authentic material
Melting point	127.7 °C
Specific optical rotation	$[\alpha]_D^{24} = -24.9^\circ$ (2 % in dimethylformamide)
Purity (TLC)	decomposes on TLC plate
TLC conditions	chloroform/ethylacetate/acetic acid 90/10/2 chloroform/ethylacetate 1/1 ethylacetate/hexane 4/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB