

## Analytical Data Sheet

Lot number **1066800**  
not for drug use

Catalog number **C-2475.0025**  
Product number **4000215.0025**  
Product **Z- Pro- OSu**  
Molecular formula  $C_{17}H_{18}N_2O_6$   
Relative molecular mass 346.34

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (ESI-MS)	m = 346.3u (average mass)
Identification (TLC)	complies with authentic material
Melting point	89 °C
Specific optical rotation	$[\alpha]_D^{24} = -55.8^\circ$ (1% in dioxane)
Purity (TLC)	> 99% (reversed phase)  the decomposition profile equals the one of the reference substance on the same TLC plate (normal phase)
Related impurities (TLC)	< 1% Z-Pro-OH
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB  MeOH 60% plate: silicagel 60 F <sub>254</sub> - RP8 detected by: ammoniummolybdate
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (elemental analysis)	100.0% (Nth 8.09%, Nfd 8.09%)