

## Analytical Data Sheet

Lot number **1074011**  
not for drug use

Catalog number **C-2475.0005**  
Product number **4000215.0005**  
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)	$m = 346.3u$ (monoisotopic mass)
Identification (TLC)	complies with authentic material
Melting point	90 °C
Specific optical rotation	$[\alpha]_D^{24} = -55.1$ (1 % in dioxane)
Purity (TLC)	> 99% (reversed phase)
Related impurities (TLC)	< 1% Z-Pro-OH the decomposition profile equals the one of the reference substance on the same TLC plate (normal phase)
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> - PR8 detected by: ammoniummolybdate
Enantiomer content (chiral chromatography)	< 0.1% D-enantiomer
Assay (elemental analysis)	100.0% (Nth 8.09%, Nfd 8.09%)

Latest update: October 23, 2017

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