

Analytical Data Sheet

Lot number **1000035378**
not for drug use

Product H-Trp-Trp-Trp-OH

Product number **4005236.0050**

Molecular formula $C_{33}H_{32}N_6O_4$

Relative molecular mass 576.66

Tests	Results
Appearance	pink powder
Appearance of solution	clear, pink-orange solution (50 mg/mL in methanol 90%)
Identification (ESI-MS)	m = 576.4u (average mass)
Identification (TLC)	sample complies with reference
Purity (TLC)	> 98% (impurity profile better than reference)
TLC conditions	methanol/H ₂ O/DCM 6/1/15 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	88.0% (Nth 14.57%, Nfd 12.82%)
Water content (KF volumetric)	2.8%
Acetic acid content (IC)	9.1%

Latest update: July 15, 2020

Analytical Data Sheet
Lot number **1000035378**