

Analytical Data Sheet

Lot number **1000010473**
not for drug use

Catalog number **G-2450.0250**
Product number **4003049.0250**
Product **Kyotorphin acetate salt**
H- Tyr- Arg- OH acetate salt
Molecular formula **C₁₅H₂₃N₅O₄**
Relative molecular mass **337.38**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)
Identification (TLC)	conforms with authentic material
Specific optical rotation	$[\alpha]_D^{24} = +22.5^\circ$ (1 % in H ₂ O)
Purity (TLC)	> 98%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 chloroform/methanol/acetic acid/H ₂ O 60/45/14/6 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	79.3% (Nth 20.76 %, Nfd 16.47 %)
Water content (KF volumetric)	2.8% (drifting titration)

Latest update: January 03, 2019

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