

Analytical Data Sheet

Lot number

1028823

not for drug use

Catalog Number	H-2965.0050
Product number	4003038.0050
Product	H- Met- Arg- Phe- OH
Molecular formula	C ₂₀ H ₃₂ N ₆ O ₄ S
Relative molecular mass	452.58

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in water)
Identification (ESI-MS)	m = 452.2u
Purity (TLC)	> 98%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin,IRH
Assay (elemental analysis)	84.5% (Nth 18.57 %, Nfd 15.70 %)
Water content (KF volumetric)	2.3%
Acetic acid content (HPLC)	11.0%
General comment	product supplied as an acetate salt
Latest update: January 26, 2010	