

Analytical Data Sheet

Lot number **1000004905**
not for drug use

Catalog number **H-3510.1000**
Product number **4000308.1000**
Product **Liver Cell Growth Factor acetate salt**
H- Gly- His- Lys- OH acetate salt
Molecular formula **C₁₄H₂₄N₆O₄**
Relative molecular mass **340.38**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (ESI-MS)	m = 340.4u (average mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.1% (IP)
Purity (TLC)	98.5%
TLC conditions	isopropanol/ammonia conc. 1/1 n-butanol/acetic acid/H ₂ O 4/2/3 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	80.0% (Nth 24.69%, Nfd 19.76%)
Water content (KF volumetric)	2.2%
Acetic acid content (HPLC)	14.9%
Mass balance	97.1% (Assay + AcOH + water)

Latest update: August 27, 2018

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