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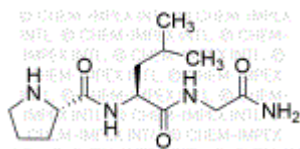
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 09491

Product **Melanocyte-Stimulating Hormone-Release**

H-Pro-Leu-Gly-NH₂

MIF-I

CAS Number 2002-44-0

Molecular Formula C₁₃H₂₄N₄O₃

Molecular Weight 284.36

Synonym 3 Melanostatin

Appearance White powder

Appearance of Solution Clear, colorless solution (50 mg/mL in Methanol)

Melting Point 126 - 128 °C

Elemental Analysis (Theory)
Carbon : 52 ± 0.5%,
Hydrogen : 8 ± 0.5%,
Nitrogen : 19 ± 0.5%

Water Content (Karl Fisher) ≤ 4.5%

TLC System
n-Butanol/Acetic acid/Water 4/2/2
Chloroform/Methanol/Acetic acid/Water 60/45/14/6
Ethylacetate/Pyridine/Acetic acid/Water 60/60/12/36
Plate : Silicagel 60 F254
Detected by : UV, Ninhydrin, Chlorine-Tolidine

Optical Rotation [α]_D²⁴ = -55 ± 1 ° (C=1 in water)

Purity by TLC ≥ 99%

Storage Store at -0 °C

For Laboratory Use Only