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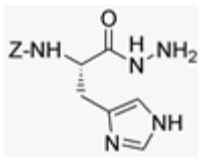
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Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 02187
Product **Z-His-NH•NH₂**

Z-L-histidine hydrazide

CAS Number 49706-31-2

Molecular Formula C₁₄H₁₇N₅O₃

Molecular Weight 303.32

Appearance White powder with clumps

Solubility Clear, colorless solution (50 mg/ml in acetic acid 80%)

Melting Point 164-170 °C

Elemental Analysis (Theory) C = 55.44%; H = 5.65%; N = 23.09%

Elemental Analysis (Found) C = 55.44 ± 0.5%; H = 5.65 ± 0.5%; N = 23.09 ± 0.5%

TLC System Chloroform/Methanol/Acetic acid 32% (5:3:1)
Chloroform/Methanol/Acetic Acid/H₂O (60:45:14:6)
n-Butanol/Acetic acid/H₂O (4:2:2)
Plate: Silica gel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine, FeCl₃

Optical Rotation [α]_D²⁴ = -36 ± 2° (C=1 in 1N HCl)

Purity by TLC ≥ 98%

Storage Store at 0-8°C

For Laboratory Use Only