

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications

Catalogue Number 06596
Product **Z-Val-Ile-OH**

Z-L-valyl isoleucine

CAS Number 41486-97-9

Molecular Formula C₁₉H₂₈N₂O₅

Molecular Weight 364.44

Appearance White powder

Solubility Clear, colorless solution (50 mg/mL in Methanol)

Melting Point 161 - 163 °C

Water Content (Karl Fisher) ≤ 1%

TLC System Benzene/Dioxane/Acetic acid (95/25/4)
Chloroform/Methanol/Benzene/H₂O (8/8/8/1)
Chloroform/Ethylacetate/Acetic acid (90/10/2)

Plate: Silicagel 60 F₂₅₄

Detected by: UV, Ninhydrin, Chlorine-Tolidine

Optical Rotation [α]²⁴_D = -13 ± 2 ° (C=1 in Methanol)

Assay ≥ 98% (N=7.69% by Elemental analysis)

Purity by TLC ≥ 99%

Storage Store at 0 - 8 °C

For Laboratory Use Only