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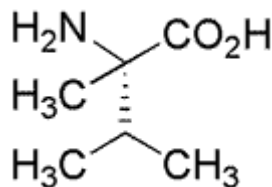
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number 14069

Product

α -Methyl-L-valine

α -Me-L-Val-OH

(S)-(-)- α -Methylvaline

CAS Number 53940-83-3

Molecular Formula C₆H₁₃NO₂

Molecular Weight 131.17

Appearance White powder

Appearance of Solution Clear, colorless solution (50 mg/mL in acetic acid 80%)

Water Content (Karl Fisher) $\leq 0.5\%$

TLC System Chloroform/Methanol/Acetic acid 32% (5:3:1)
Chloroform/Methanol/Acetic acid/H₂O (60:45:14:6)
Chloroform/Methanol/Toluene/H₂O (8:8:8:1)
Plate: silicagel 60 F₂₅₄
Detected by: UV, ninhydrin, chlorine-tolidine

Optical Rotation $[\alpha]_D^{24} = -4 \pm 2^\circ$ (C=1 in Water)

Assay $\geq 99\%$ (Elemental Analysis, Nth : 10.68%)

Purity by TLC $\geq 99\%$

Storage Store at 0 - 8 °C

For Laboratory Use Only