

Analytical Data Sheet

Lot number

1050223

not for drug use

Catalog Number	E-2025.0100
Product number	4030756.0100
Product	H- Ile- OH
Molecular formula	C₆H₁₃NO₂
Relative molecular mass	131.18

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (10 mg/mL in 80% acetic acid)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 54.9%</td> <td>C = 54.7%</td> </tr> <tr> <td>H = 10.0%</td> <td>H = 9.9%</td> </tr> <tr> <td>N = 10.7%</td> <td>N = 10.7%</td> </tr> </table>	Theory	Found	C = 54.9%	C = 54.7%	H = 10.0%	H = 9.9%	N = 10.7%	N = 10.7%
Theory	Found								
C = 54.9%	C = 54.7%								
H = 10.0%	H = 9.9%								
N = 10.7%	N = 10.7%								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} + 42.5^\circ$ (1% in 80% acetic acid)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB								
Enantiomer content (GC)	< 0.1% H-D-Ile-OH 0.1% H-allo-Ile-OH < 0.1% H-D-allo-Ile-OH								
Other amino acids (GC)	< 0.3%								
Assay (elemental analysis)	100.3% (Nth 10.68%, Nfd 10.71)								
Water content (KF volumetric)	0.1%								
Latest update: October 03, 2013									