

Analytical Data Sheet

Lot number

1019478

not for drug use

Catalog Number	F-1690.0001
Product number	4004295.0001
Product	L- Isoleucinol · HCl
Molecular formula	C ₆ H ₁₅ NO · HCl
Relative molecular mass	153.65

Tests	Results								
Identification (elemental analysis)	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 46.9 %</td> <td>C = 46.85 %</td> </tr> <tr> <td>H = 10.50 %</td> <td>H = 10.79 %</td> </tr> <tr> <td>N = 9.12 %</td> <td>N = 8.99 %</td> </tr> </table>	Theory	Found	C = 46.9 %	C = 46.85 %	H = 10.50 %	H = 10.79 %	N = 9.12 %	N = 8.99 %
Theory	Found								
C = 46.9 %	C = 46.85 %								
H = 10.50 %	H = 10.79 %								
N = 9.12 %	N = 8.99 %								
Melting point	130 °C								
Specific optical rotation	$[\alpha]_D^{24} = +11.2^\circ$ (2% in ethanol)								
Purity (TLC)	≥ 99%								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/H ₂ O 8/2/0.5 n-butanol/acetic acid/H ₂ O (OP) 5/1/4 2-butanol/ammonia 3% 100/44 n-butanol/acetic acid/H ₂ O 4/2/2 n-butanol/acetic acid/H ₂ O/pyridine 30/6/24/20 plate: silicagel 60 F ₂₅₄ detected by: ninhydrin, chlorine-tolidine								
Latest update: October 16, 2008	Analytical Data Sheet Lot number 1019478								