

Analytical Data Sheet

Lot number

1022862

not for drug use

Catalog Number	Q-1945.0001
Product number	4028383.0001
Product	[1- (4- Methyl- benzylsulfanyl) - cyclohexyl]- acetic acid
Molecular formula	C ₁₆ H ₂₂ O ₂ S
Relative molecular mass	278.42

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in ethylacetate)								
Identification (FAB-MS)	[M + H] ⁺ : m/z = 279 u								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 69.0 %</td> <td>C = 69.0 %</td> </tr> <tr> <td>H = 8.0 %</td> <td>H = 7.9 %</td> </tr> <tr> <td>N = --- %</td> <td>N = --- %</td> </tr> </table>	Theory	Found	C = 69.0 %	C = 69.0 %	H = 8.0 %	H = 7.9 %	N = --- %	N = --- %
Theory	Found								
C = 69.0 %	C = 69.0 %								
H = 8.0 %	H = 7.9 %								
N = --- %	N = --- %								
Identification (TLC)	complies with authentic material								
Melting point	117 °C								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 90/8/2 benzene/dioxane/acetic acid 95/25/4 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, ammoniummolybdate N,N,N,N-Tetramethyl-4, 4'-diamino-diphenyl-methane								
Latest update: March 17, 2009									