

Analytical Data Sheet

Lot number

1040871

not for drug use

Catalog Number	E-2415.0025
Product number	4002918.0025
Product	Tfa- Gly- OH
Molecular formula	C₄H₄F₃NO₃
Relative molecular mass	171.08

Tests	Results									
Appearance	white crystals									
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)									
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 28.1%</td> <td>C = 28.1%</td> </tr> <tr> <td>H = 2.4%</td> <td>H = 2.5%</td> </tr> <tr> <td>N = 8.2%</td> <td>N = 8.1%</td> </tr> </table>	Theory	Found	C = 28.1%	C = 28.1%	H = 2.4%	H = 2.5%	N = 8.2%	N = 8.1%	
Theory	Found									
C = 28.1%	C = 28.1%									
H = 2.4%	H = 2.5%									
N = 8.2%	N = 8.1%									
Identification (TLC)	complies with authentic material									
Melting point	119 °C									
Purity (TLC)	> 99%									
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid/H ₂ O 60/45/14/6 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, IRH									
Assay (elemental analysis)	100.1% (Cth 20.08%, Cfd 28.10%)									
Latest update: February 01, 2012		Analytical Data Sheet Lot number 1040871								