

Analytical Data Sheet

Lot number

1029696

not for drug use

Catalog Number	A-4360.0001
Product number	4027821.0001
Product	Boc- Thionoala- 1- (6- nitro) benzotriazolide
Molecular formula	C ₁₄ H ₁₇ N ₅ O ₄ S
Relative molecular mass	351.39

Tests	Results								
Appearance	pale pink powder								
Identification (FAB-MS)	[M + H] ⁺ : m/z = 352 u								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 47.85 %</td> <td>C = 47.65 %</td> </tr> <tr> <td>H = 4.88 %</td> <td>H = 4.66 %</td> </tr> <tr> <td>N = 19.93 %</td> <td>N = 19.86 %</td> </tr> </table>	Theory	Found	C = 47.85 %	C = 47.65 %	H = 4.88 %	H = 4.66 %	N = 19.93 %	N = 19.86 %
Theory	Found								
C = 47.85 %	C = 47.65 %								
H = 4.88 %	H = 4.66 %								
N = 19.93 %	N = 19.86 %								
Specific optical rotation	[α] _D ²⁴ = + 23.0% (1 % in chloroform)								
Solubility	soluble 50mg/ml in ethylacetate								
Purity (TLC)	> 98%								
TLC conditions	ethylacetate/methanol 1:5, TLC98/566 plate: RP-18 detected by: UV, ninhydrin chloroform/methanol/benzene/H ₂ O 8/8/8/1, TLC98/537 chloroform/methanol 9/1 chloroform/ethylacetate/acetic acid 50/50/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Latest update: March 12, 2010									