

Analytical Data Sheet

Lot number

1029699

not for drug use

Catalog Number	A-4365.0001
Product number	4030426.0001
Product	Boc- Thionoser(Bzl) - 1- (6- nitro) benzotriazolide
Molecular formula	C ₂₁ H ₂₃ N ₅ O ₅ S
Relative molecular mass	457.51

Tests	Results
Appearance	red-brownish grainy product
Appearance of solution	clear, orange solution (50 mg/ml in ethylacetate)
Specific optical rotation	$[\alpha]_D^{24} = -7.7^\circ$ (1 % in chloroform)
Purity (TLC)	decomposes on TLC plate
TLC conditions	chloroform/ethylacetate 9/1 chloroform/methanol/acetic acid 90/8/2 ethylacetate/methanol 1/5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	96.7% (Nth 15.31 %, Nfd 14.80 %)
Water content (KF volumetric)	0.9%
Latest update: March 12, 2010	

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