

Analytical Data Sheet

Lot number **1075802**
not for drug use

Catalog number **A-4345.0001**
Product number **4030207.0001**
Product **Boc- Thionoleu- 1- (6- nitro) benzotriazolide**
Molecular formula **C₁₇H₂₃N₅O₄S**
Relative molecular mass **393.47**

Tests	Results
Appearance	orange powder
Appearance of solution	clear, orange-brown solution (50 mg/ml in ethylacetate)
Specific optical rotation	$[\alpha]_D^{24} = + 56.0^\circ$ (1 % in chloroform)
Purity (TLC)	decomposes on TLC plate
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/ethylacetate 9/1 ethylacetate/hexane 2/8 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	96.2% (Nth 17.80 %, Nfd 17.13 %)
Water content (KF volumetric)	1.2%

Latest update: February 27, 2018

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