

Analytical Data Sheet

Lot number **1000003767**
not for drug use

Retest date N/A
Catalog number **N-1160.0001**
Product number **4000836.0001**
Product **Tos- Phe- chloromethylketone**
Molecular formula $C_{17}H_{18}ClNO_3S$
Relative molecular mass 351.85

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in MeOH)
Identification (elemental analysis)	Theory Found C = 58.0 % C = 58.1 % H = 5.2 % H = 5.2 % N = 4.0 % N = 4.1 %
Identification (TLC)	conforms with authentic material
Melting point	108 °C
Specific optical rotation	$[\alpha]_D^{24} = -86.1^\circ$ (1 % in EtOH abs.)
Purity (TLC)	> 98%
TLC conditions	chloroform/methanol/toluene/H ₂ O 8/8/8/1 chloroform/ethylacetate/acetic acid 50/50/2 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.9% (Cth 58.03%, Cfd 58.00%)

Latest update: July 26, 2018

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