

Analytical Data Sheet

Lot number	1000029286 not for drug use
Catalog number	N-1155.1000
Product	Tos-Lys-chloromethylketone · HCl
Product number	4001453.1000
Molecular formula (net)	$C_{14}H_{21}ClN_2O_3S \cdot HCl$
Molecular mass (average)	369.3

Tests	Results
Components	
Appearance	
Appearance	complies [white to yellowish powder]
Appearance of solution	
Appearance of solution	complies [clear, colorless to slightly colored solution in methanol (50 mg/mL)]
Identification (TLC)	
R _f value	complies [complies [n-butanol: glacial acetic acid: water= 50:15:25 (V/V/V)]]
Specific optical rotation	
$[\alpha]_{D^{24}}$ (as is)	-9.9 (°)·mL/(dm·g)
Purity (HPLC)	
Purity	99.6%
Assay (elemental analysis)	
Assay (EA, as is)	99.7%
Chloride content (titration)	
Chloride content	9.6%

This Analytical Data Sheet is based on reviewed analytical data and is valid without handwritten signatures.

Date created: March 06, 2020