

Analytical Data Sheet

Lot number

1022295

not for drug use

Catalog Number	E-3205.0001
Product number	4025808.0001
Product	H- Cys(4- methoxytrityl) - OH
Molecular formula	C ₂₃ H ₂₃ NO ₃ S
Relative molecular mass	393.51

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (25 mg/mL in dioxane/water 1/1)
Identification (TLC)	complies with authentic material
Melting point	159 °C
Specific optical rotation	$[\alpha]_D^{24} = + 80.4^\circ$ (1% in acetic acid)
Purity (TLC)	≥ 98%
TLC conditions	methanol/chloroform/ammonia 17% 2/2/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (titration)	99.5% (HClO ₄)
Water content (KF volumetric)	1.1%
Latest update: April 17, 2009	

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