

Analytical Data Sheet

Lot number **1000024499**
not for drug use

Catalog number **G-4050.0250**
Product number **4016437.0250**
Product **H- Thr- Glu- OH**
Molecular formula $C_9H_{16}N_2O_6$
Relative molecular mass 248.24

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (5 % in AcOH 80 %)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 40.88 %</td><td>C = 41.26 %</td></tr><tr><td>H = 6.78 %</td><td>H = 6.82 %</td></tr><tr><td>N = 10.59 %</td><td>N = 10.75 %</td></tr></tbody></table> calc. as 0.9 H ₂ O	Theory	Found	C = 40.88 %	C = 41.26 %	H = 6.78 %	H = 6.82 %	N = 10.59 %	N = 10.75 %
Theory	Found								
C = 40.88 %	C = 41.26 %								
H = 6.78 %	H = 6.82 %								
N = 10.59 %	N = 10.75 %								
Melting point	192 °C								
Specific optical rotation	$[\alpha]_D^{24} = + 11.1^\circ$ (1 % in AcOH 80 %) $[\alpha]_{365}^{24} = + 56.8^\circ$ (1 % in AcOH 80 %)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	6.3%								

Latest update: November 08, 2019

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