

**Analytical Data Sheet**

<b>Lot number</b>	<b>1000042560</b> not for drug use
<b>Product</b>	H-Cys(StBu)-OH
<b>Product number</b>	<b>4030538.0025</b>
<b>Molecular formula</b>	C <sub>7</sub> H <sub>15</sub> NO <sub>2</sub> S <sub>2</sub>
<b>Relative molecular mass</b>	209.33

<b>Tests</b>	<b>Results</b>
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/mL in acetic acid 80%)
<b>Identification (elemental analysis)</b>	C-Value 38.6% H-Value 7.0% N-Value 6.4% calc. as x 0.5 H <sub>2</sub> O (4.13%)
<b>Identification (TLC)</b>	complies with authentic material
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = -84.4^\circ$ (1% in 1N HCl)
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	chloroform/methanol/acetic acid/ H <sub>2</sub> O 60/45/14/6 chloroform/methanol/acetic acid 32% 5/3/1 chloroform/acetic acid 95/5 plate: silicagel 60 F <sub>254</sub> ected by: UV, ninhydrin, chlorine-tolidine
<b>Enantiomer content (GC)</b>	0.5% D-Enantiomer
<b>Assay (elemental analysis)</b>	96.2% (Cth 40.16% m Cfd 38.63%)
<b>Water content (KF volumetric)</b>	4.4%

Latest update: December 04, 2020

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