

# Analytical Data Sheet

Lot number

## 1031320

not for drug use

<b>Catalog Number</b>	E-2730.0005
<b>Product number</b>	4013497.0005
<b>Product</b>	H- Met- OtBu · HCl
<b>Molecular formula</b>	C <sub>9</sub> H <sub>19</sub> NO <sub>2</sub> S · HCl
<b>Relative molecular mass</b>	241.78

Tests	Results								
<b>Appearance</b>	white powder								
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in methanol)								
<b>Identification (elemental analysis)</b>	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 44.7 %</td> <td>C = 44.7 %</td> </tr> <tr> <td>H = 8.3 %</td> <td>H = 8.4 %</td> </tr> <tr> <td>N = 5.8 %</td> <td>N = 5.9 %</td> </tr> </table> <p>calc. as HCl (15.08%, 14.66 Cl)</p>	Theory	Found	C = 44.7 %	C = 44.7 %	H = 8.3 %	H = 8.4 %	N = 5.8 %	N = 5.9 %
Theory	Found								
C = 44.7 %	C = 44.7 %								
H = 8.3 %	H = 8.4 %								
N = 5.8 %	N = 5.9 %								
<b>Identification (TLC)</b>	<p>complies with authentic material</p> <p>reference lot 0521197</p>								
<b>Melting point</b>	154 ° C								
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = +12.2^\circ$ ( 1 % MeOH)								
<b>Purity (TLC)</b>	> 99%								
<b>TLC conditions</b>	<p>chloroform/methanol/toluene/H<sub>2</sub>O 8/8/8/1</p> <p>chloroform/methanol/acetic acid 85/10/5</p> <p>ethylacetate/pyridine/acetic acid/H<sub>2</sub>O 60/20/6/11</p> <p>plate: silicagel 60 F<sub>254</sub></p> <p>detected by: UV, ninhydrin, chlorine-tolidine</p>								
<b>Enantiomer content (GC)</b>	0.1 % (H-D-Met-OtBu*HCl)								
<b>Chloride content (titration)</b>	14.7 % (AgNO <sub>3</sub> )								
Latest update: June 22, 2010									