

## Analytical Data Sheet

Lot number **1000031900**  
not for drug use

Catalog number **F-2945.0005**  
Product number **4014135.0005**  
Product **H- Met(O) - OH**  
Molecular formula **C<sub>5</sub>H<sub>11</sub>NO<sub>3</sub>S**  
Relative molecular mass **165.21**

| Tests                               | Results  |
|-------------------------------------|--|
| Appearance                          | white powder   |
| Appearance of solution              | clear, colorless solution (50 mg/mL in methanol 50%)   |
| Identification (elemental analysis) | Theory Found<br>C = 36.4% C = 36.4%<br>H = 6.7% H = 6.9%<br>N = 8.5% N = 8.5%  |
| Identification (TLC)                | complies with authentic material   |
| Specific optical rotation           | $[\alpha]_D^{24} = +15.9^\circ$ (1% in water)  |
| Purity (TLC)                        | > 99%  |
| TLC conditions                      | n-butanol/acetic acid/H <sub>2</sub> O 4/2/2<br>isopropanol/ammonia conc. 1/1<br>plate: silicagel 60 F <sub>254</sub><br>detected by: UV, ninhydrin, chlorine-tolidine |
| Assay (titration)                   | 99.3% (TBAH)   |
| Water content (KF volumetric)       | 0.6%   |

Latest update: April 23, 2020

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