

## Analytical Data Sheet

Lot number **1052828**  
not for drug use

Catalog number **E-3360.0005**  
Product number **4026986.0005**  
Product **H- Dab(Boc) - OMe · HCl**  
Molecular formula **C<sub>10</sub>H<sub>20</sub>N<sub>2</sub>O<sub>4</sub> · HCl**  
Relative molecular mass **268.74**

| Tests                               | Results  |        |       |             |             |            |            |             |             |
|-------------------------------------|--|--------|-------|-------------|-------------|------------|------------|-------------|-------------|
| Appearance                          | white powder   |        |       |             |             |            |            |             |             |
| Appearance of solution              | clear, colorless solution (50 mg/ml in MeOH)   |        |       |             |             |            |            |             |             |
| Identification (elemental analysis) | <table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 44.69 %</td><td>C = 44.48 %</td></tr><tr><td>H = 7.88 %</td><td>H = 7.77 %</td></tr><tr><td>N = 10.42 %</td><td>N = 10.36 %</td></tr></tbody></table> <p>calc. as 1 HCl = 13.57 % HCl</p> | Theory | Found | C = 44.69 % | C = 44.48 % | H = 7.88 % | H = 7.77 % | N = 10.42 % | N = 10.36 % |
| Theory                              | Found  |        |       |             |             |            |            |             |             |
| C = 44.69 %                         | C = 44.48 %  |        |       |             |             |            |            |             |             |
| H = 7.88 %                          | H = 7.77 %   |        |       |             |             |            |            |             |             |
| N = 10.42 %                         | N = 10.36 %  |        |       |             |             |            |            |             |             |
| Identification (TLC)                | conforms with authentic material   |        |       |             |             |            |            |             |             |
| Melting point                       | 163.4 °C   |        |       |             |             |            |            |             |             |
| Purity (TLC)                        | > 98%  |        |       |             |             |            |            |             |             |
| TLC conditions                      | chloroform/methanol/toluene/H <sub>2</sub> O 8/8/8/1<br>ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11<br>plate: silicagel 60 F <sub>254</sub><br>detected by: UV, ninhydrin, chlorine-tolidine   |        |       |             |             |            |            |             |             |
| Assay (elemental analysis)          | 99.4% (Nth 10.42 %, Nfd 10.36 %)   |        |       |             |             |            |            |             |             |
| Chloride content (titration)        | 13.4% (AgNO <sub>3</sub> )   |        |       |             |             |            |            |             |             |