

Analytical Data Sheet

Lot number

1046990

not for drug use

Catalog Number	F-4065.0005
Product number	4038071.0005
Product	H- D- Dap(Boc) - OMe · HCl
Molecular formula	C ₉ H ₁₈ N ₂ O ₄ · HCl
Relative molecular mass	254.71

Tests	Results								
Appearance	off-white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 41.0%</td> <td>C = 41.3%</td> </tr> <tr> <td>H = 7.7%</td> <td>H = 7.6%</td> </tr> <tr> <td>N = 10.6%</td> <td>N = 10.6%</td> </tr> </table> <p>calc. x HCl (13.8%) x 0.51 H₂O (3.5%)</p>	Theory	Found	C = 41.0%	C = 41.3%	H = 7.7%	H = 7.6%	N = 10.6%	N = 10.6%
Theory	Found								
C = 41.0%	C = 41.3%								
H = 7.7%	H = 7.6%								
N = 10.6%	N = 10.6%								
Identification (TLC)	complies with authentic material								
Melting point	134 °C								
Purity (TLC)	> 98%								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	96.8% (Nth 11.00%, Nfd 10.64%)								
Water content (KF volumetric)	3.5%								
Chloride content (titration)	13.4% (AgNO ₃)								
Latest update: February 21, 2013									