

Analytical Data Sheet

Lot number

0542612

not for drug use

Catalog Number	E-1925.0025
Product number	4001230.0025
Product	H- Gln- p- nitrobenzyl ester · HBr
Molecular formula	C ₁₂ H ₁₅ N ₃ O ₅ · HBr
Relative molecular mass	362.18

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (25 mg/ml in methanol 50 %)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 39.8 %</td> <td>C = 40.2 %</td> </tr> <tr> <td>H = 4.5 %</td> <td>H = 4.4 %</td> </tr> <tr> <td>N = 11.6 %</td> <td>N = 11.7 %</td> </tr> </table> <p>calc. as 1 HBr (22.3 %)</p>	Theory	Found	C = 39.8 %	C = 40.2 %	H = 4.5 %	H = 4.4 %	N = 11.6 %	N = 11.7 %
Theory	Found								
C = 39.8 %	C = 40.2 %								
H = 4.5 %	H = 4.4 %								
N = 11.6 %	N = 11.7 %								
Identification (TLC)	complies with authentic material								
Melting point	167 ° C								
Specific optical rotation	$[\alpha]_D^{24} = +10.8^\circ$ (2 % in dimethylformamide)								
Purity (TLC)	> 98 %								
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Bromide content (titration)	22.2% (AgNO ₃)								

Latest update: October 25, 2008

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