

Analytical Data Sheet

Lot number

1049811

not for drug use

Catalog Number	F-1305.0005
Product number	4007011.0005
Product	H- p- Bromo- Phe- OH
Molecular formula	C ₉ H ₁₀ BrNO ₂
Relative molecular mass	244.09

Tests	Results								
Appearance	beige powder								
Appearance of solution	clear, colorless solution (10 mg/ml in 80 % acetic acid)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 44.3 %</td> <td>C = 44.2 %</td> </tr> <tr> <td>H = 4.1 %</td> <td>H = 4.3 %</td> </tr> <tr> <td>N = 5.7 %</td> <td>N = 5.7 %</td> </tr> </table>	Theory	Found	C = 44.3 %	C = 44.2 %	H = 4.1 %	H = 4.3 %	N = 5.7 %	N = 5.7 %
Theory	Found								
C = 44.3 %	C = 44.2 %								
H = 4.1 %	H = 4.3 %								
N = 5.7 %	N = 5.7 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = -32.6^\circ$ (1 % in 50 % dimethylformamide)								
Purity (TLC)	> 99%								
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H ₂ O 6/5/1/3 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (titration)	101.1 % (TBAH)								
Water content (KF volumetric)	0.8%								
Latest update: September 05, 2013									