

Analytical Data Sheet

Lot number

1027486

not for drug use

Catalog Number	F-4215.0005
Product number	4046198.0005
Product	H- Nva- OtBu · HCl
Molecular formula	C ₉ H ₁₉ NO ₂ · HCl
Relative molecular mass	209.72

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 51.6 %</td> <td>C = 51.4 %</td> </tr> <tr> <td>H = 9.6 %</td> <td>H = 9.5 %</td> </tr> <tr> <td>N = 6.7 %</td> <td>N = 6.6 %</td> </tr> </table> <p>calc. x 0.995 HCl (16.8 % Cl⁻)</p>	Theory	Found	C = 51.6 %	C = 51.4 %	H = 9.6 %	H = 9.5 %	N = 6.7 %	N = 6.6 %
Theory	Found								
C = 51.6 %	C = 51.4 %								
H = 9.6 %	H = 9.5 %								
N = 6.7 %	N = 6.6 %								
Identification (TLC)	complies with authentic material								
Specific optical rotation	$[\alpha]_D^{24} = +14.1^\circ$ (1 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid/H ₂ O 60/45/14/6 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	99.7% (Cth 51.55 %, Cfd 51.42 %)								
Chloride content (titration)	16.8%								

Latest update: November 10, 2009

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