

Analytical Data Sheet

Lot number **1000008836**
not for drug use

Catalog number **E-3530.0005**
Product number **4028865.0005**
Product **Aloc- Ala- OH · DCHA**
Molecular formula $C_7H_{11}NO_4 \cdot C_{12}H_{23}N$
Relative molecular mass 354.49

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)								
Identification (elemental analysis)	<table> <thead> <tr> <th>Theory</th> <th>Found</th> </tr> </thead> <tbody> <tr> <td>C = 64.38 %</td> <td>C = 64.06 %</td> </tr> <tr> <td>H = 9.67 %</td> <td>H = 9.32 %</td> </tr> <tr> <td>N = 7.90 %</td> <td>N = 7.87 %</td> </tr> </tbody> </table> <p>calc. as 1 dicyclohexylammonium salt (51.15 %)</p>	Theory	Found	C = 64.38 %	C = 64.06 %	H = 9.67 %	H = 9.32 %	N = 7.90 %	N = 7.87 %
Theory	Found								
C = 64.38 %	C = 64.06 %								
H = 9.67 %	H = 9.32 %								
N = 7.90 %	N = 7.87 %								
Melting point	142 °C								
Specific optical rotation	$[\alpha]_D^{20} = + 1.5^\circ$ (1 % in methanol) $[\alpha]_{365}^{20} = + 3.6^\circ$ (1 % in methanol)								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 85/10/5 benzene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (elemental analysis)	48.8% (CHN)								

Latest update: November 14, 2018

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