

# Analytical Data Sheet

Lot number

**0537189**

not for drug use

<b>Catalog Number</b>	<b>A-2845.0005</b>
<b>Product number</b>	<b>4009778.0005</b>
<b>Product</b>	<b>Boc- D- Cit- OH</b>
<b>Molecular formula</b>	$C_{11}H_{21}N_3O_5$
<b>Relative molecular mass</b>	275.31

Tests	Results
<b>Appearance</b>	white product
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in methanol)
<b>Identification (TLC)</b>	complies with authentic material
<b>Specific optical rotation</b>	$[\alpha]_D^{24} = + 8.2^\circ$ (1 % in $H_2O$ )
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	chloroform/methanol/acetic acid/ $H_2O$ 70/42/0.5/10 ethylacetate/pyridine/acetic acid/ $H_2O$ 60/20/6/11 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Assay (elemental analysis)</b>	92% (Nth 15.26 %, Nfd 14.09 %)
<b>Water content (KF volumetric)</b>	0.8%
<b>Substitution</b>	2.5% (methylethylketone) 2.1% (n-butanol) 2.1% (ethylacetate)
Latest update: October 25, 2008	

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