Analytical Data Sheet

Lot number

1022193

not for drug use

Catalog Number	**A–3485.0005**
Product number	**4018957.0005**
Product	**Boc– 4, 5– dehydro– Leu– OH · DCHA**
Molecular formula	$C_{11}H_{19}NO_4 \cdot C_{12}H_{23}N$
Relative molecular mass	410.61

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in methanol)
Identification (elemental analysis)	Theory / Found C = 67.3 % / C = 67.0 % H = 10.3 % / H = 10.3 % N = 6.8 % / N = 6.8 % calc. x DCHA
Identification (TLC)	complies with authentic material
Melting point	151 °C
Specific optical rotation	$[\alpha]_D^{24}$ = + 12.5 ° (1 % in methanol)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 85/10/5 chloroform/methanol/benzene/H_2O 8/8/8/1 ethylacetate/pyridine/acetic acid/H_2O 60/10/3/4 plate: silicagel 60 F_{254} detected by: UV, ninhydrin, chlorine–tolidine
Enantiomer content (GC)	0.9% D–Enantiomer

Latest update: February 11, 2009