



INDOFINE Chemical Company, Inc.

121 Stryker Lane, Bldg. 30, Suite 1 • Hillsborough, NJ 08844 • U.S.A.

Phone: (908) 359-6778 • FAX: (908) 359-1179

website: www.indofinechemical.com

e-mail: chemical@indofinechemical.com

Analytical Data Sheet

Lot number

1028909

not for drug use

Catalog Number

04-509

Product

Boc- Ala- Ala- pNA

Molecular formula

$C_{17}H_{24}N_4O_6$

Relative molecular mass

380.40

Tests	Results
Appearance	yellowish crystals
Appearance of solution	clear, slightly yellow solution (50 mg/ml in $CHCl_3/MeOH$ 1:1)
Identification (elemental analysis)	Theory Found C = 53.68 % C = 53.70 % H = 6.36 % H = 6.32 % N = 14.73 % N = 14.81 %
Identification (TLC)	conforms with authentic material
Melting point	201 °C
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% pNA
TLC conditions	chloroform/methanol/acetic acid 90/8/2 chloroform/ethylacetate/acetic acid 50/50/2 toluene/dioxane/acetic acid 95/25/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	100.5% (Nth 14.73 %, Nfd 14.81 %)

Latest update: February 02, 2010

Analytical Data Sheet
Lot number 1028909