



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

CERTIFICATE OF ANALYSIS

Catalog Number: 25-008

Product Name: **4-AMINO-3-MERCAPTO-5-(ETHYL)-[1,2,4]-TRIAZOLE**

Lot Number: 99251

Chemical Formula: C₄H₈N₄S

Molecular Weight: 144.20

Melting Point: 148-150°C

Appearance: Off white powder

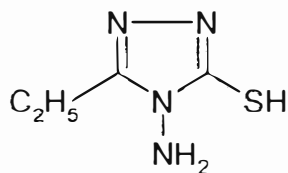
Solubility: Soluble in DMSO

TLC: Hexane : Ethyl acetate (6:4)

NMR Spectrum: Enclosed (Confirms to the structure)

Storage: Cool dry place

Purity (HPLC): 99.91%





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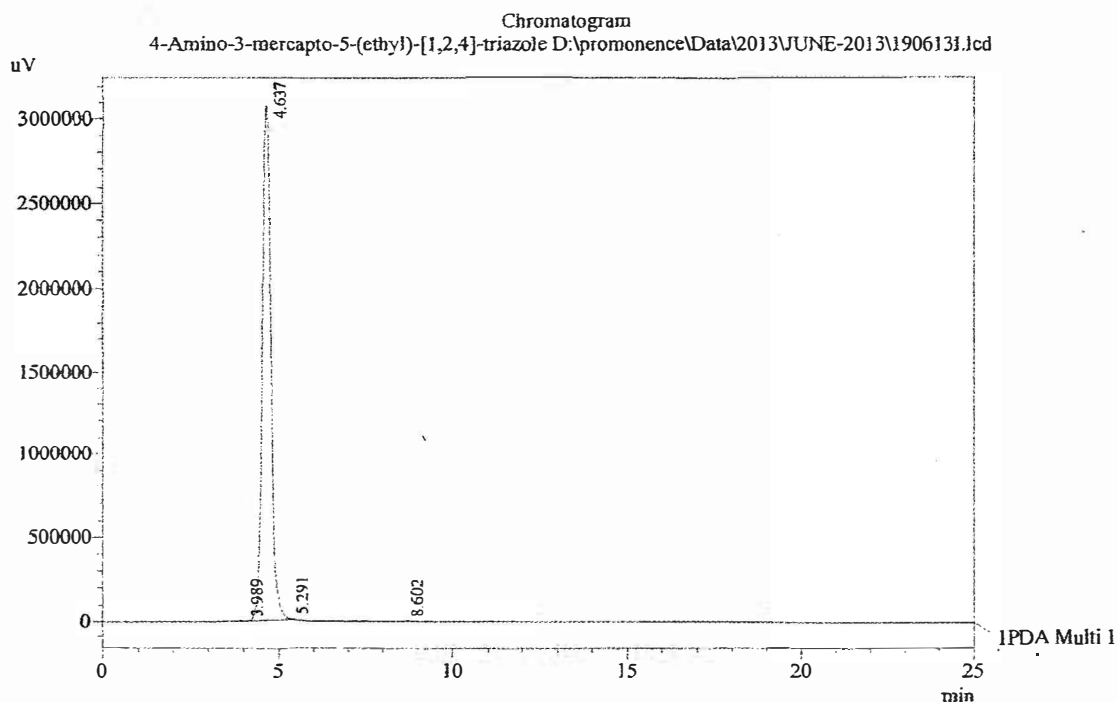
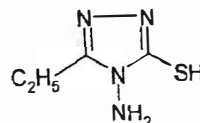
e-mail: chemical@indofinechemical.com

HPLC ANALYSIS

Acquired by : Sanjeev
Sample Name : 4-Amino-3-mercapto-5-(ethyl)-[1,2,4]-triazole
Sample ID : Lot No:99251
Injection Volume : 20 uL
Data Filename : 1906131.lcd
Method Filename : Linear Isocratic.M1cm

Catalog No.: 25-008
Product Name: 4-Amino-3-Mercapto-5-(Ethyl)-[1,2,4]-
Triazole
Lot No.: 99251

Column : LUNA C-18(2), (250mm x4.6mm 5.0µ)
Flow : 0.600 mL/min.
Mobile Phase : A(40% of water) B(60% of Acetonitrile)
Diluent : Acetonitrile



1 PDA Multi 1 / 254nm 4nm

PeakTable

PDA Ch1 254nm 4nm

| Peak# | Name | Ret. Time | Area | Area % | Relative Retention Time |
|-------|----------|-----------|----------|--------|-------------------------|
| 1 | RT:3.989 | 3.989 | 7402 | 0.01 | 0.86 |
| 2 | RT:4.637 | 4.637 | 52298405 | 99.91 | 1.00 |
| 3 | RT:5.291 | 5.291 | 36290 | 0.07 | 1.14 |
| 4 | RT:8.602 | 8.602 | 3905 | 0.01 | 1.86 |
| Total | | | 52346001 | 100.00 | |

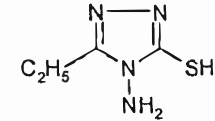


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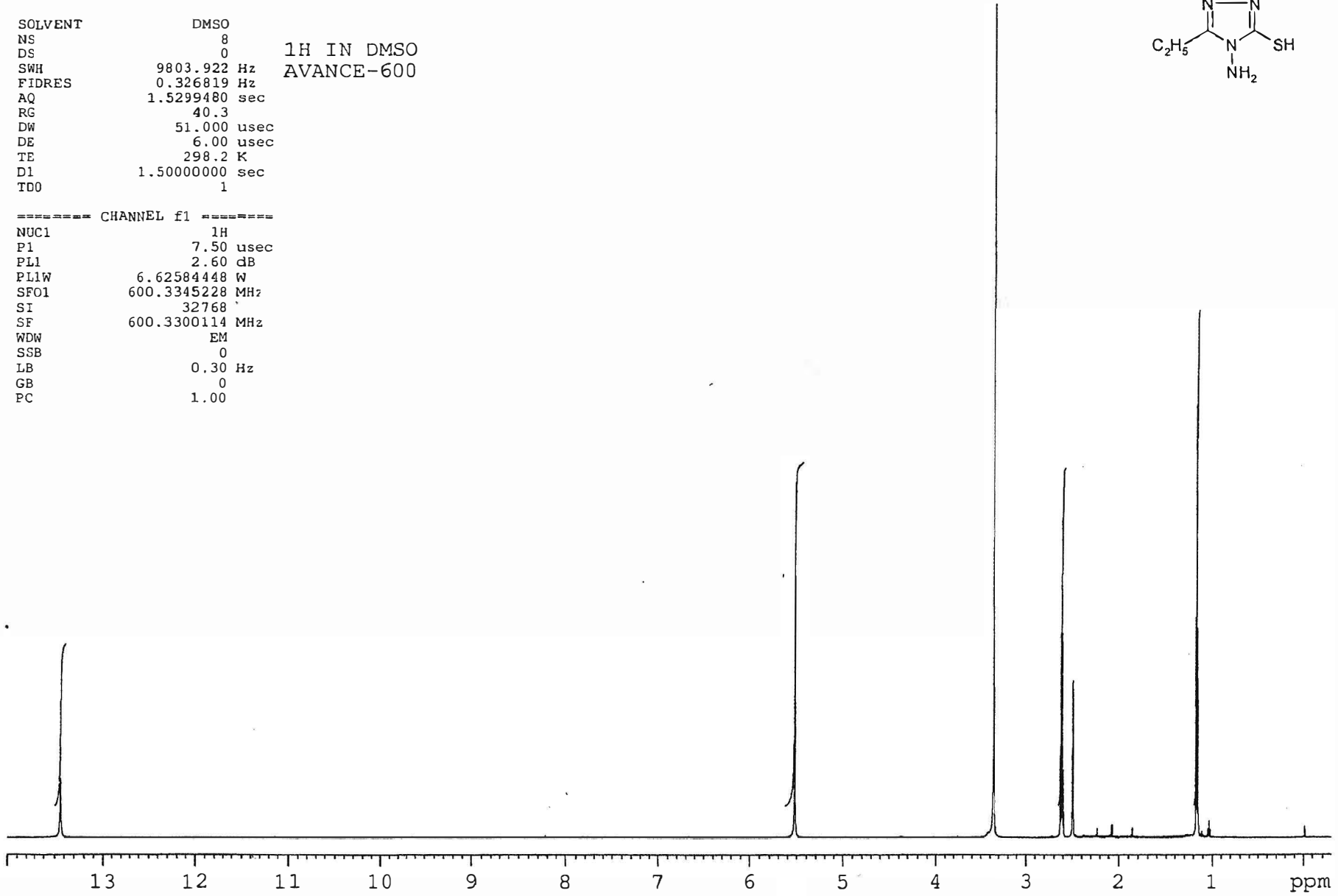
Catalog No.: 25-008
Product Name: 4-Amino-3-Mercapto-5-(Ethyl)-[1,2,4]
Triazole
Lot No.: 99251

SOLVENT DMSO
NS 8
DS 0 1H IN DMSO
SWH 9803.922 Hz AVANCE-600
FIDRES 0.326819 Hz
AQ 1.5299480 sec
RG 40.3
DW 51.000 usec
DE 6.00 usec
TE 298.2 K
D1 1.5000000 sec
TDO 1



==== CHANNEL f1 =====

NUC1 1H
P1 7.50 usec
PL1 2.60 dB
PL1W 6.62584448 W
SFO1 600.3345228 MHz
SI 32768
SF 600.3300114 MHz
WDW EM
SSB 0
LB 0.30 Hz
GB 0
PC 1.00



1.000

2.131

2.097

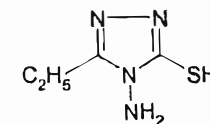
3.088



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Triazole
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