



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: 22-413

Product Name: **5-BROMO[1,3]THIAZOLO[5,4-b]PYRIDINE-2-AMINE**

Lot Number: 1504591

Chemical Formula: C₆H₄BrN₃S

Molecular Weight: 230.09

Melting Point: 253-258°C

Appearance: Pale yellow powder

Moisture(KF): 0.32%

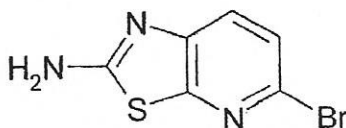
Solubility: Soluble in Acetone

TLC: Hexane:Ethyl acetate (7:3)

NMR Spectrum: Enclosed (conforms to the structure)

Storage: Store in a cool, dry place

Purity(HPLC): 99.15%





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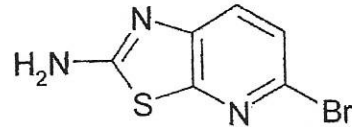
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HPLC ANALYSIS

Catalog No.: 22-413
Product Name: 5-Bromo[1,3]thiazolo[5,4-b]pyridine-2-amine
Lot No.: 1504591

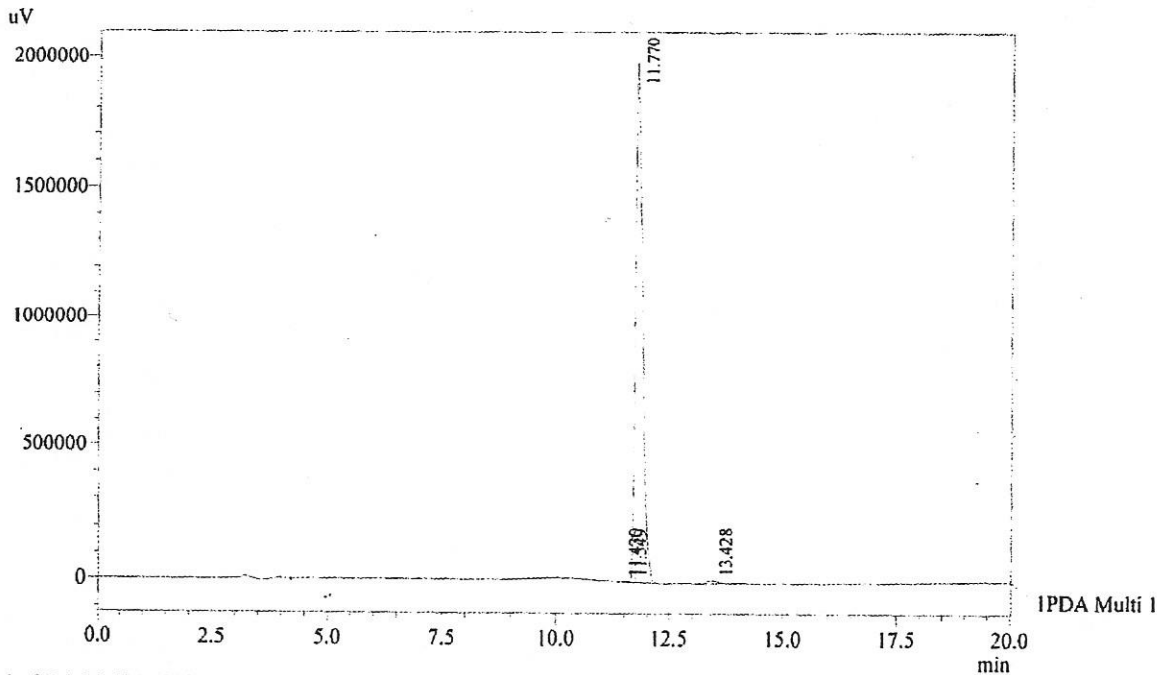
Acquired by : Admin
Sample Name : 5-Bromo(1,3)Thiazolo[5,4-b]pyridine
Sample ID : 50 gm
Injection Volume : 20 uL
Data Filename : 310315E.lcd
Method Filename : Linear Gradient.M.lcm



Column : Gemini C-18, (250mm x4.6mm 5.0µ)
Flow : 1.000 mL/min.
Mobile Phase : A(0.05% TFA in water) B(Acetonitrile)
0.01 90 10
3.5 90 10
8.0 10 90
8.5 10 10
11.5 90 10
20.0 90 10

Diluent : MeOH

Chromatogram



1 PDA Multi 1 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

Peak#	Name	Ret. Time	Area	Area %	Relative Retention Time
1	RT:11.430	11.430	18024	0.08	0.97
2	RT:11.549	11.549	9524	0.04	0.98
3	Thio triazole	11.770	21258450	99.15	1.00
4	RT:13.428	13.428	154941	0.72	1.14
Total			21440938	100.00	



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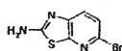
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Catalog No.: 22-413

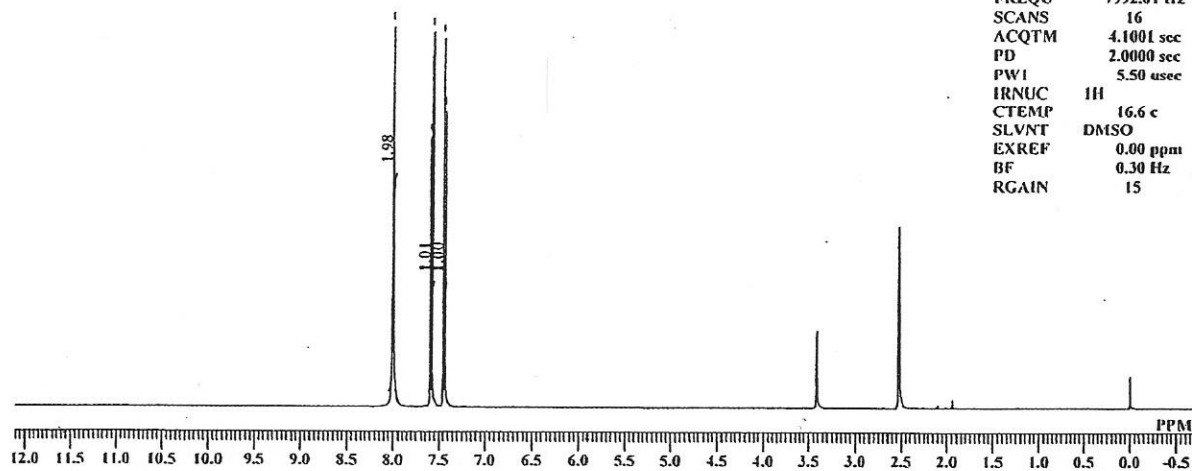
Product Name: 5-Bromo[1,3]thiazolo[5,4-b]pyridine-2-amine

Lot No.: 1504591



S-Trizole 1H NMR DMSO-d6
Analysed By : MSR

8.002
7.598
7.577
7.451
7.430



DFILE S-Trizole 1H.tals
COMINT S-Trizole 1H NMR DMSO-d6
DATIM Tue Mar 31 05:09:15 2015
OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 32768
FREQU 7992.01 Hz
SCANS 16
ACQTM 4.1001 sec
PD 2.0000 sec
PW1 5.50 usec
IRNUC 1H
CTEMP 16.6 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 15



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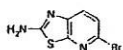
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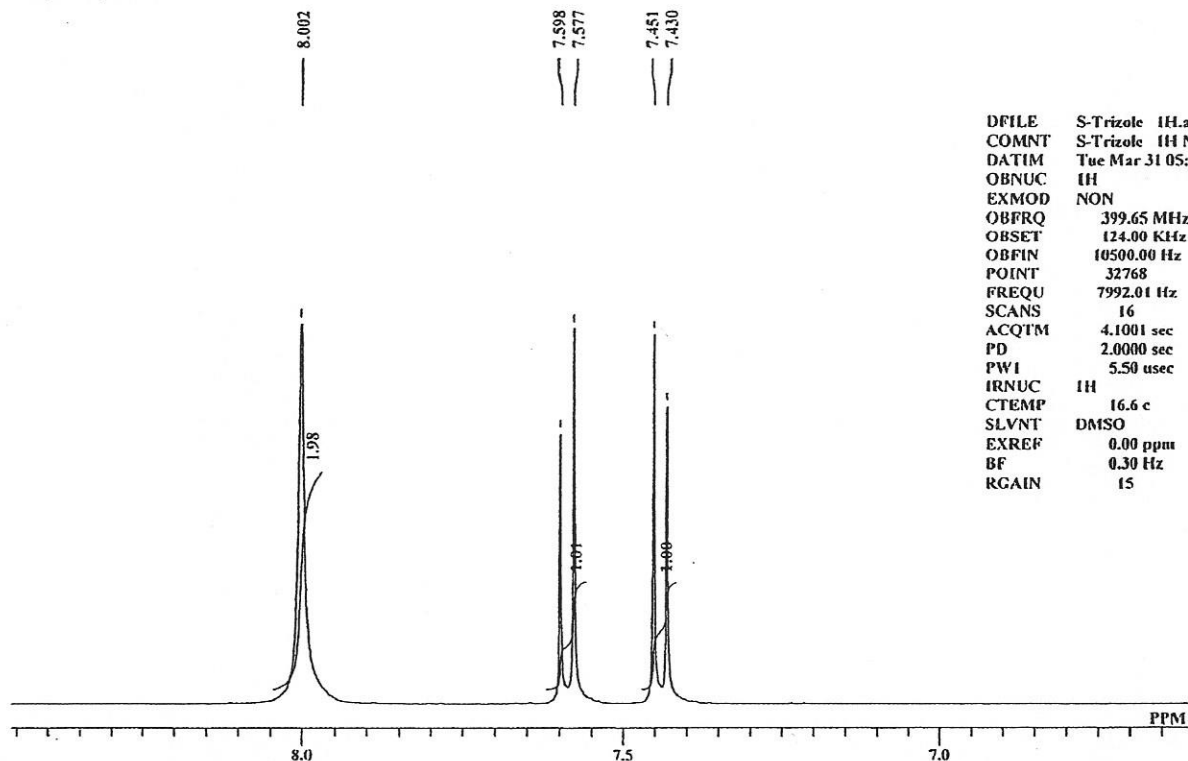
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Lot No.: 1504591



S-Trizole 1H NMR DMSO-d6
Analysed By: MSR



DFILE S-Trizole 1H.als
COMNT S-Trizole 1H NMR DMSO-d6
DATIM Tue Mar 31 05:09:15 2015
OBNUC 1H
EXMOD NON
OBFRQ 399.65 MHz
OBSET 124.00 KHz
OBFIN 10500.00 Hz
POINT 32768
FREQU 7992.01 Hz
SCANS 16
ACQTM 4.1001 sec
PD 2.0000 sec
PWI 5.50 usec
IRNUC 1H
CTEMP 16.6 c
SLVNT DMSO
EXREF 0.00 ppm
BF 0.30 Hz
RGAIN 15