



# 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](http://www.indofinechemical.com)

e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

## CERTIFICATE OF ANALYSIS

Cat No.: 19-903

Product: REPARIXIN  
(N-[2-(4-Isobutyl-phenyl)-propionyl]-methane sulfonamide)

Lot Number: 1106143

Chemical Formula: C<sub>14</sub>H<sub>21</sub>NO<sub>3</sub>S

Molecular Weight: 283.39

Melting Point: 105-108°C

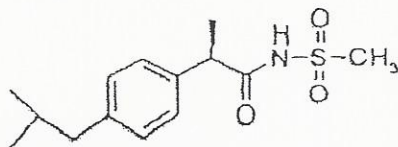
Appearance: White Powder

TLC: Hexane:Ethyl acetate (8:2)

Solubility: Soluble in Chloroform

Storage: Cool dry place

Purity: 99.26%





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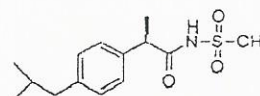
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## HPLC ANALYSIS

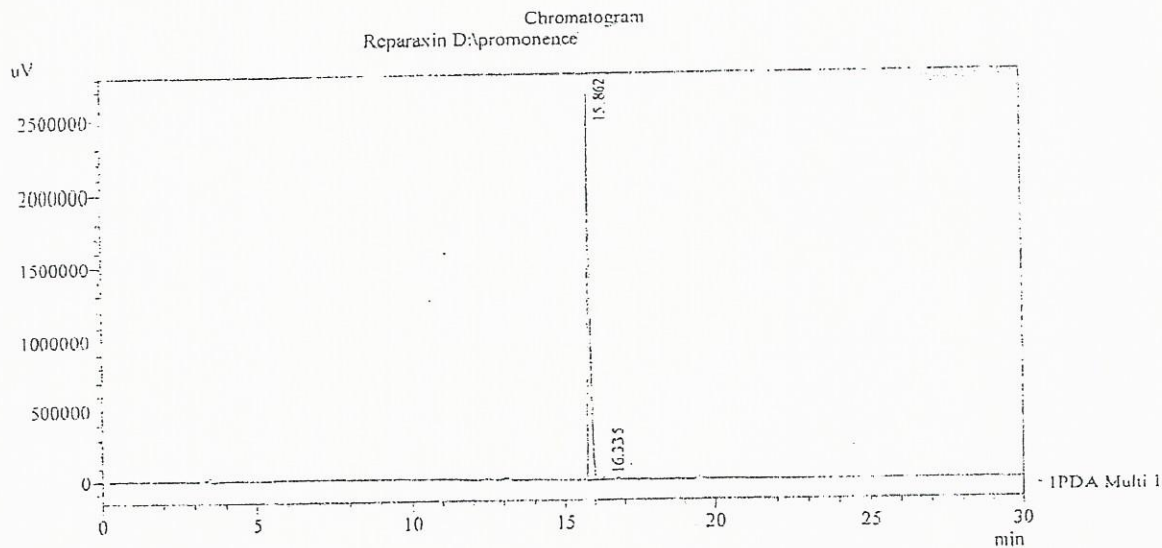
Acquired by : Madhuri  
Sample Name : Reparixin  
Sample ID :  
Injection Volume : 20 uL  
Data Filename : 150611E.lcd  
Method Filename : Linear Gradient.M.lcm

Cat. No.: 19-903  
Product name: Reparixin  
Lot No.: 1106143



N-(2-(4-Isobutyl-phenyl)-propionyl)-methane sulfonamide

Description:  
Column : Phenomenex C-18, 250X4.6mm 5.0µm  
Flow : 1.000ML/min.  
Mobile Phase : A(Water 0.05% TFA) : B( ACN)  
00.01 : 90 : 10  
12.00 : 10 : 90  
20.00 : 10 : 90  
25.00 : 90 : 10



1 PDA Multi 1 / 230nm 4nm

PeakTable

PDA Ch1 230nm 4nm

Peak#	Ret. Time	Area	Height	Area %
1	15.862	15223930	2665452	99.264
2	16.335	112942	18634	0.736
Total		15336872	2684086	100.000



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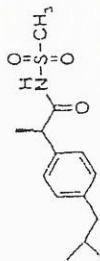
e-mail: [chemical@indofinechemical.com](mailto:chemical@indofinechemical.com)

Cat. No.: 19-903

Product name: Reparixin

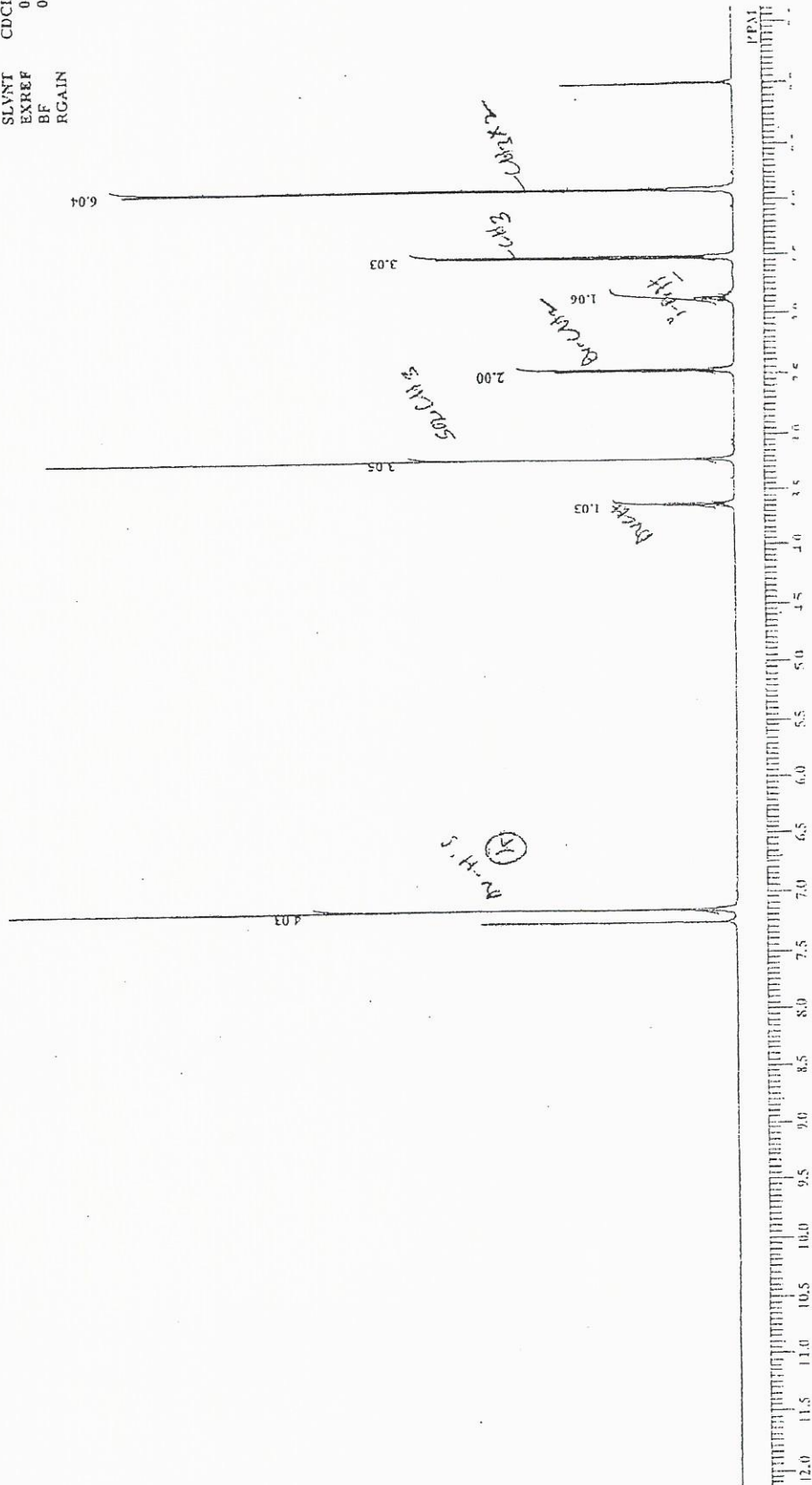
Lot No.: 1106143

Repa final 1H NMR CDCl3



N-(2-(4-isobutyl-phenyl)-propionyl)-methane sulfonamide

DPFILE	Repa final 1h
CONINT	Repa final 1H NMR.c
ORNUC	1H
EXMOD	NON
ORFRO	399.65 MHz
ORSET	124.00 KHz
ORFIN	10500.00 Hz
POINT	65536
FREQU	7992.01 Hz
SCANS	16
ACQTM	8.2002 sec
PD	3.0000 sec
PW1	5.60 usec
IRNUC	1H
TEMP	26.1 c
SLVNT	CDCl3
EXREF	0.00 ppm
BF	0.30 Hz
RGAIN	19



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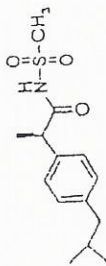
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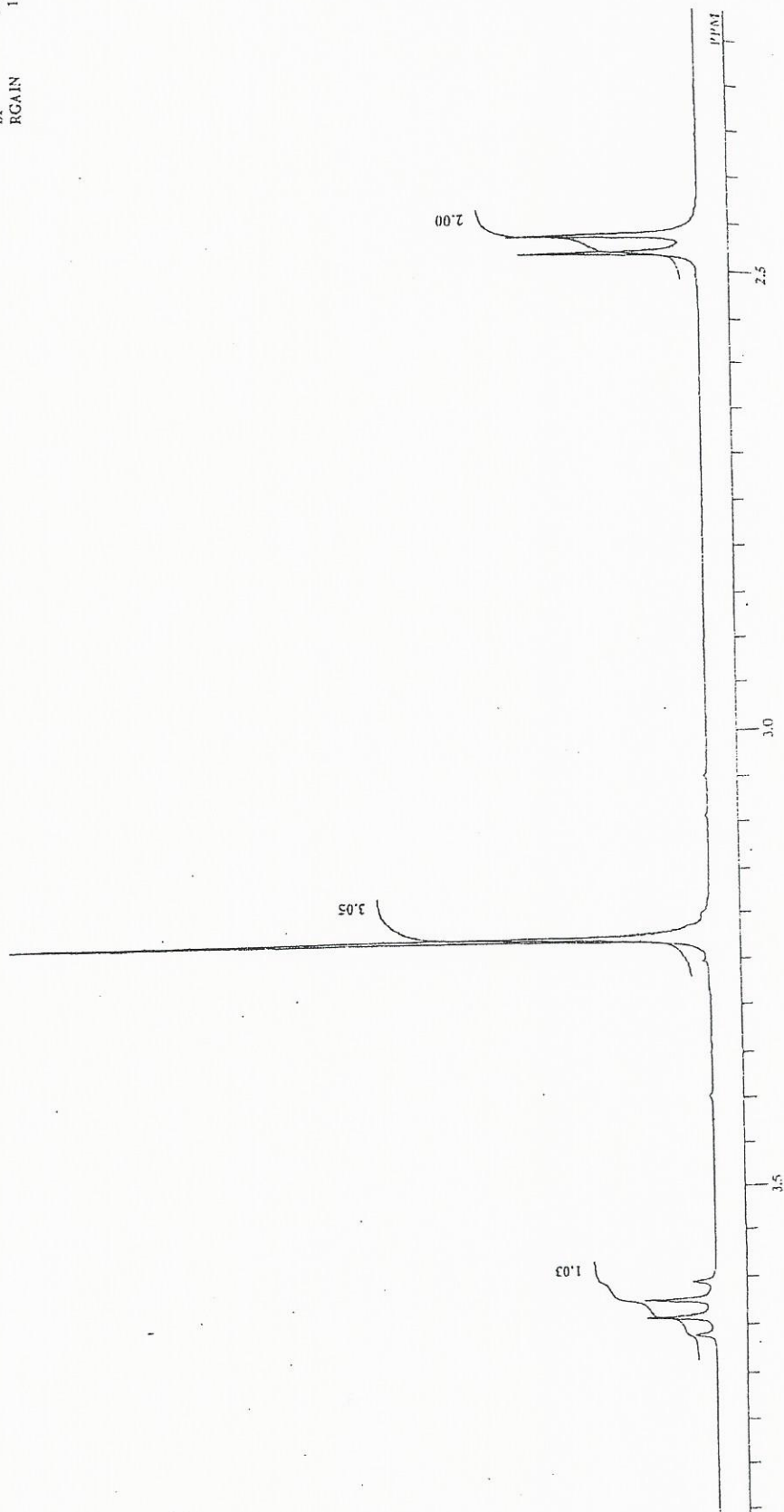
Lot No.: 1106143

Reparixin <sup>1</sup>H NMR CDCl<sub>3</sub>



N-[2-(4-isobutyl-phenyl)-propionyl]-methane sulfonamide

DFILE Reparixin143  
 COMINT Reparixin110.N1  
 OBRUC III  
 EXMOD NON  
 OBFRQ 399.65 MHz  
 OBSFET 124.00 kHz  
 OBFIN 10500.00 Hz  
 POINT 65536  
 FREQU 7992.01 Hz  
 SCANS 16  
 ACQTM 8.2002 sec  
 PD 3.0000 sec  
 PW1 5.60 usec  
 IRNUC III 26.1 c  
 CTERIP CDCL3  
 SLVNT 0.00 ppm  
 EXREF 0.30 Hz  
 BF 19  
 RGAIN





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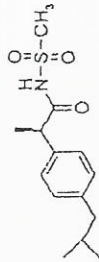
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Lot No.: 1106143

Reparixin <sup>1</sup>H NMR CDCl<sub>3</sub>



N-[2-(4-isobutyl-phenyl)-propionyl]-methane sulfonamide

DFILE: Reparixin  
COMINT: Reparixin <sup>1</sup>H NMR

OBNUC 1H  
EXMOD NON  
OBFRQ 399.65 MHz  
OBSET 124.00 KHz  
OBFIN 10500.00 Hz  
POINT 65536  
FREQU 7992.01 Hz  
SCANS 16  
ACQTM 8.2002 sec  
PD 3.0000 sec  
PWI 5.60 usec

IRNUC 1H  
CTEMP 26.1 c  
SLVNT CDCL3  
EXREF 0.00 ppm  
BF 0.30 Hz  
RGAIN 19

