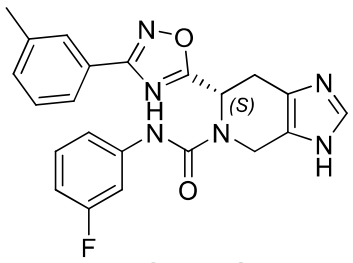
CERTIFICATE OF ANALYSIS



MPOL_D_2

COMPOUND IDENTITY

BATCH IDENTIFIER:	ITALBI_0113B
COMPOUND IDENTIFIERS:	MPOL_D_2
CHEMICAL NAME:	(6S)-N-(3-fluorophenyl)-6-[3-(3-methylphenyl)-1,2,4-oxadiazol-5-yl]-3H,4H,5H,6H,7H-imidazo[4,5-c]pyridine-5-carboxamide
CAS NUMBER:	-
NOVALIX QUOTE:	NVX230227
BARCODE:	-
PROJECT IDENTIFIER:	-
PO NUMBER:	-

COMPOUND DESCRIPTORS

FREE BASE FORMULA:	$C_{22}H_{19}FN_6O_2$
FREE BASE MOLECULAR WEIGHT:	418.43 $g.mol^{-1}$
SALT FORMULA:	-
SALT MOLECULAR WEIGHT:	-
PHYSICAL ASPECT:	White powder
STABILITY:	-
KNOWN SOLUBILITY:	DMSO, DCM

No toxicity data available. For R&D use only. The information provided in this document is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This information is based on the present state of our knowledge and is applicable to the product with regard to the appropriate safety precautions.

CERTIFICATE OF ANALYSIS

COMPOUND ANALYTICAL SPECIFICATIONS

IDENTITY DETERMINATION METHOD(S): MS, 1H NMR
ACCEPTANCE CRITERIA: in accordance with the expected structure

PURITY DETERMINATION METHOD(S): LCMS, with UV detection @ 220 nm
ACCEPTANCE CRITERIA: > 95.0%

IMPURITY DETERMINATION METHOD(S): nature and content of impurities
ACCEPTANCE CRITERIA:

COMPOUND ANALYSIS

LC/MS:

METHOD REFERENCE: AN01_001_021
COMPOUND UV AREA: 98.9 %
COLUMN: Poroshell 120 EC-C18
ELUTION GRADIENT‡: Water (+0.1 wt% TFA) / Acetonitrile: from 98:2 to 0:100
DETECTION: UV (220 nm)
MASS DETECTION: ESI+
EXACT MASS: 418.16
MAIN MASS PEAKS: 419.1 [M+H]+
NOTES:

‡: FA: Formic acid; TFA: Trifluoroacetic acid

NMR:

^{1}H FREQUENCY: 500 MHz
SOLVENT 1: DMSO-d6 SOLVENT 2: -
RESIDUAL SOLVENT (in wt%): 1.48 wt % of Et2O
OTHER IMPURITIES: Presence of minor aliphatic impurities
NOTES: *in accordance with expected structure. Presence of rotamers.*

^{13}C FREQUENCY: N/A
SOLVENT: -
NOTES: *N/A.*

^{1}H QUANTITATIVE NMR#: -

#: as described in *Anal. Chem.* **2014**, 86, 11474-11480 & references herein

CERTIFICATE OF ANALYSIS

RESULT

☒ This sample is compliant with requested specifications

☐ Within the limits of the analyses performed to date, this sample is compliant with requested specifications. Remaining analyses will be performed at client facilities
Comments:

☐ This sample is not compliant with requested specifications
Comments: -

NOTES

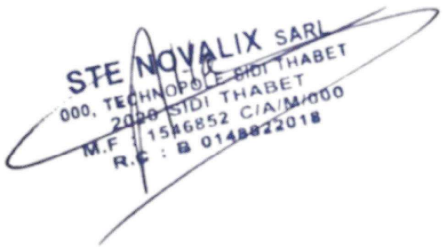
CONTACT: Dr. Hajer Abdelkafi
CHEMIST: Dr. Imen Talbi

ANALYSIS DATE: 7th November 2023
AMOUNT DELIVERED: 18.7 mg

RETEST DATE: -

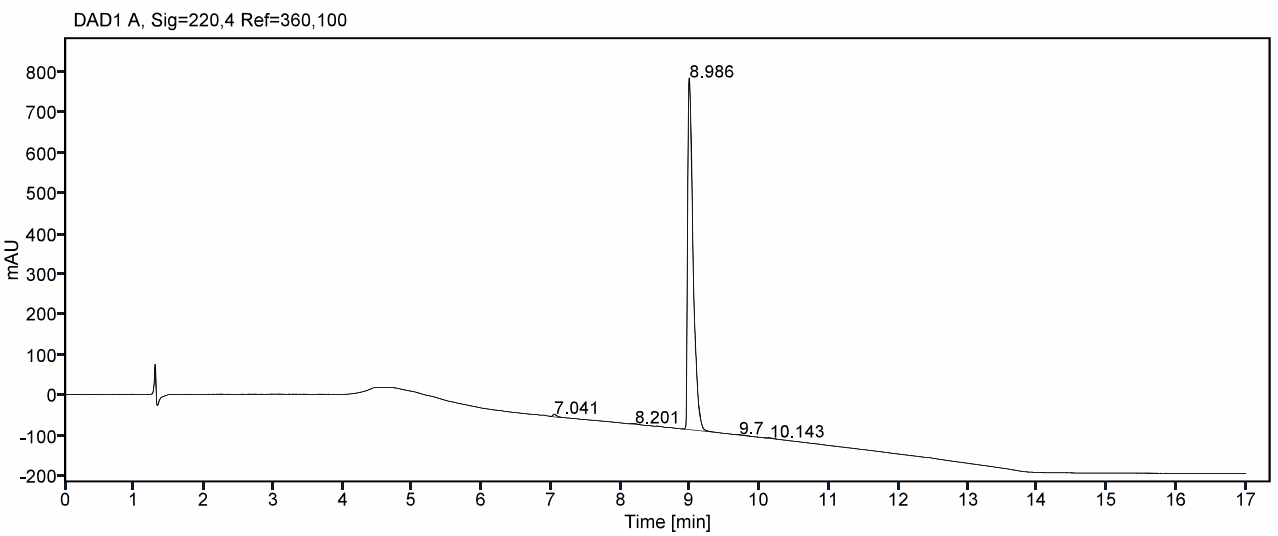
REVIEWED BY: Dr. Hajer Abdelkafi

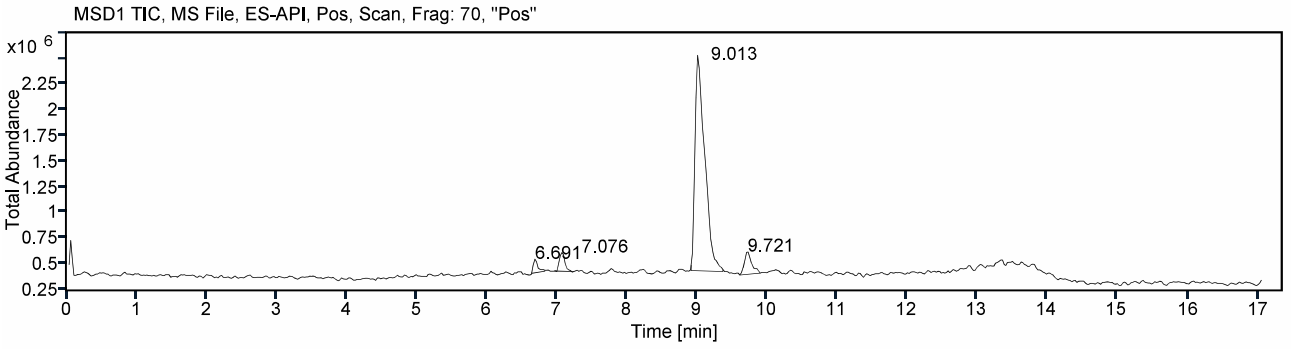
REVIEW DATE: 15th November 2023

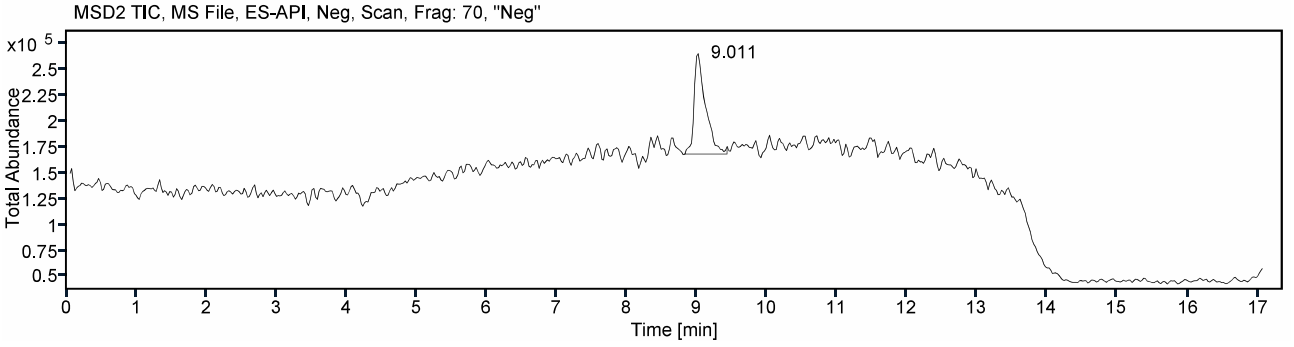


LCMS ITALBI_0113B

Data file: C:\Users\Public\Documents\ChemStation\1\Data\2023\06-11-23\ITALBI_0113B_6604.D
Injection date: 11/7/2023 12:07:00 AM
Location: P2-C-02
Acq. method: AN01_001_021_pos_neg.M
Inj. vol (µL) 1.000
Analysis method: AN01_001_021_pos_neg.M
Processing Method: Process UV, Process MS
Column name: Poroshell 120 EC-C18







LCMS ITALBI_0113B

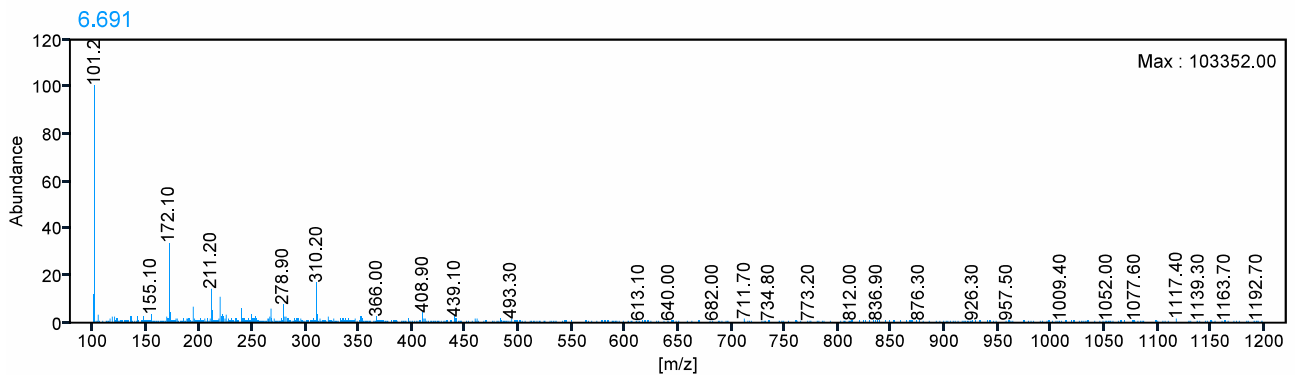
Signal: DAD1 A, Sig=220,4 Ref=360,100

	Rt min	Area	Height	Area%
	7.04	29	7	0.6
	8.20	8	2	0.2
	8.99	4769	870	98.9
	9.70	6	1	0.1
	10.14	9	2	0.2
	Sum	4821		100.0

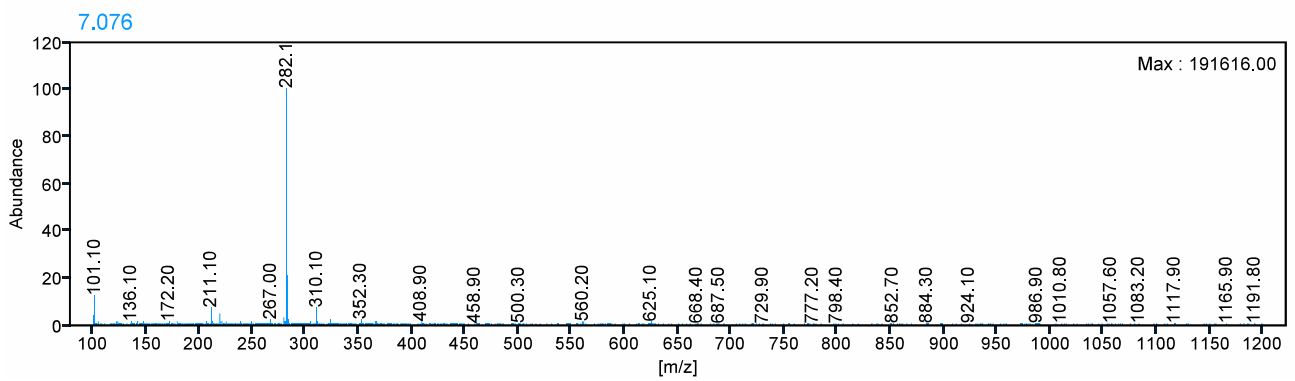
LCMS ITALBI_0113B

Signal MSD1 TIC, MS File, ES-API, Pos, Scan, Frag: 70, "Pos"

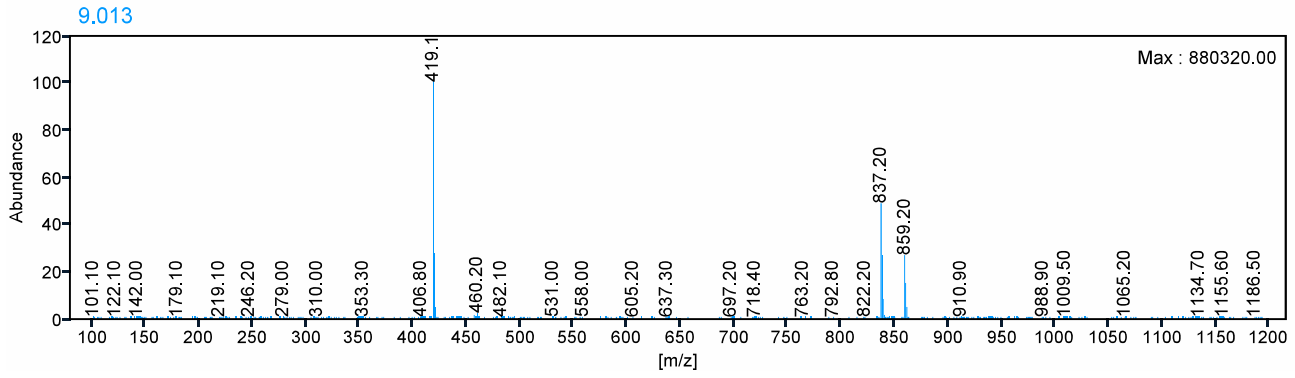
Peak RT 6.691



Peak RT 7.076

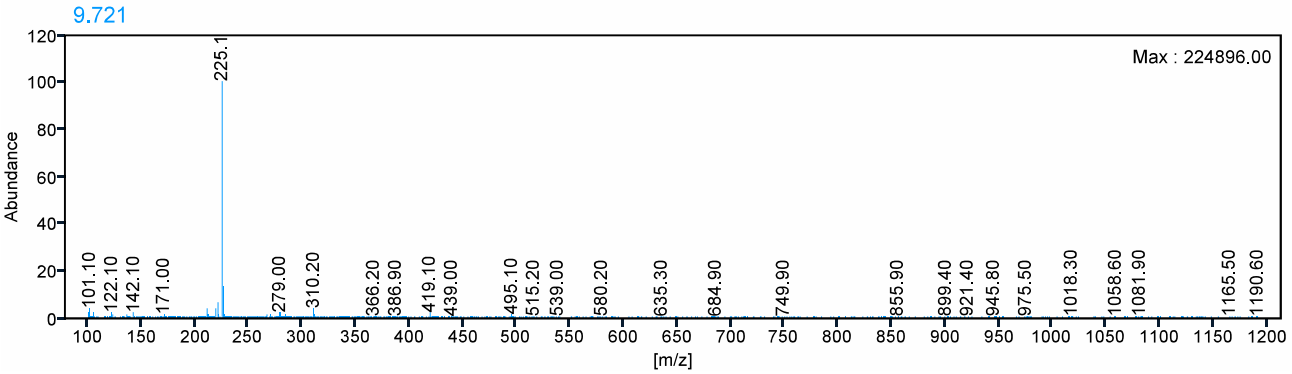


Peak RT 9.013



LCMS ITALBI_0113B

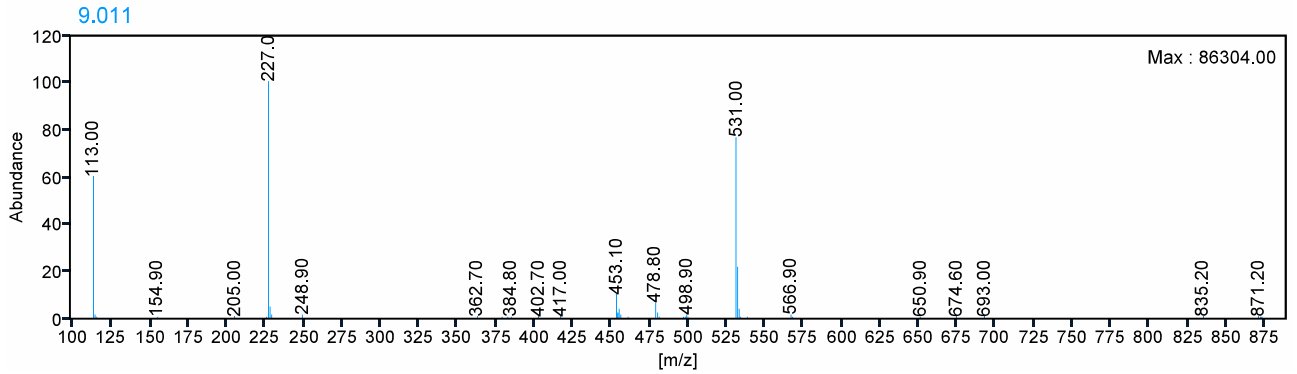
Peak RT 9.721

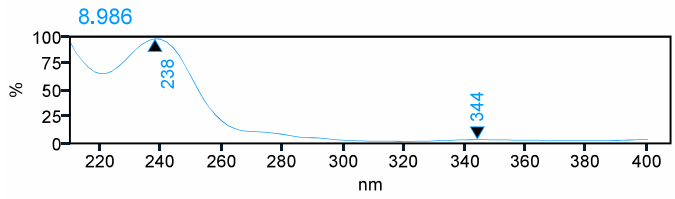


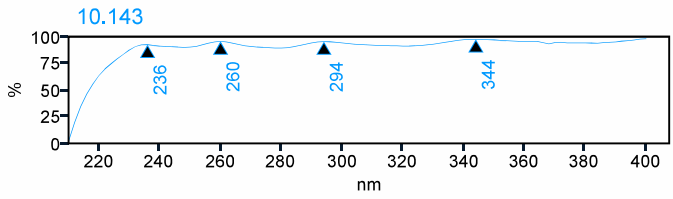
LCMS ITALBI_0113B

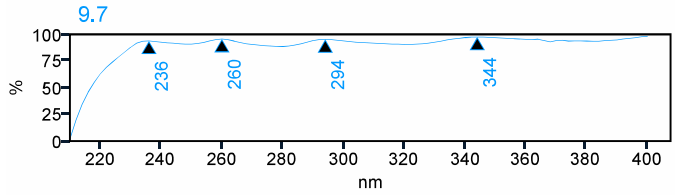
Signal MSD2 TIC, MS File, ES-API, Neg, Scan, Frag: 70, "Neg"

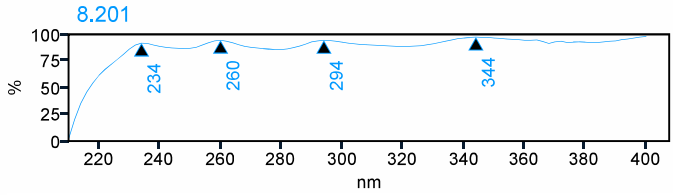
Peak RT 9.011

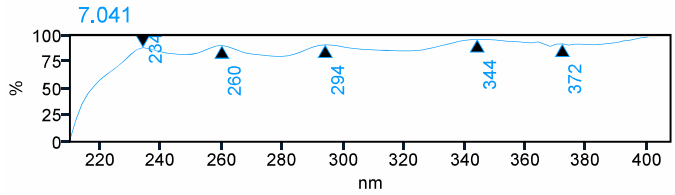


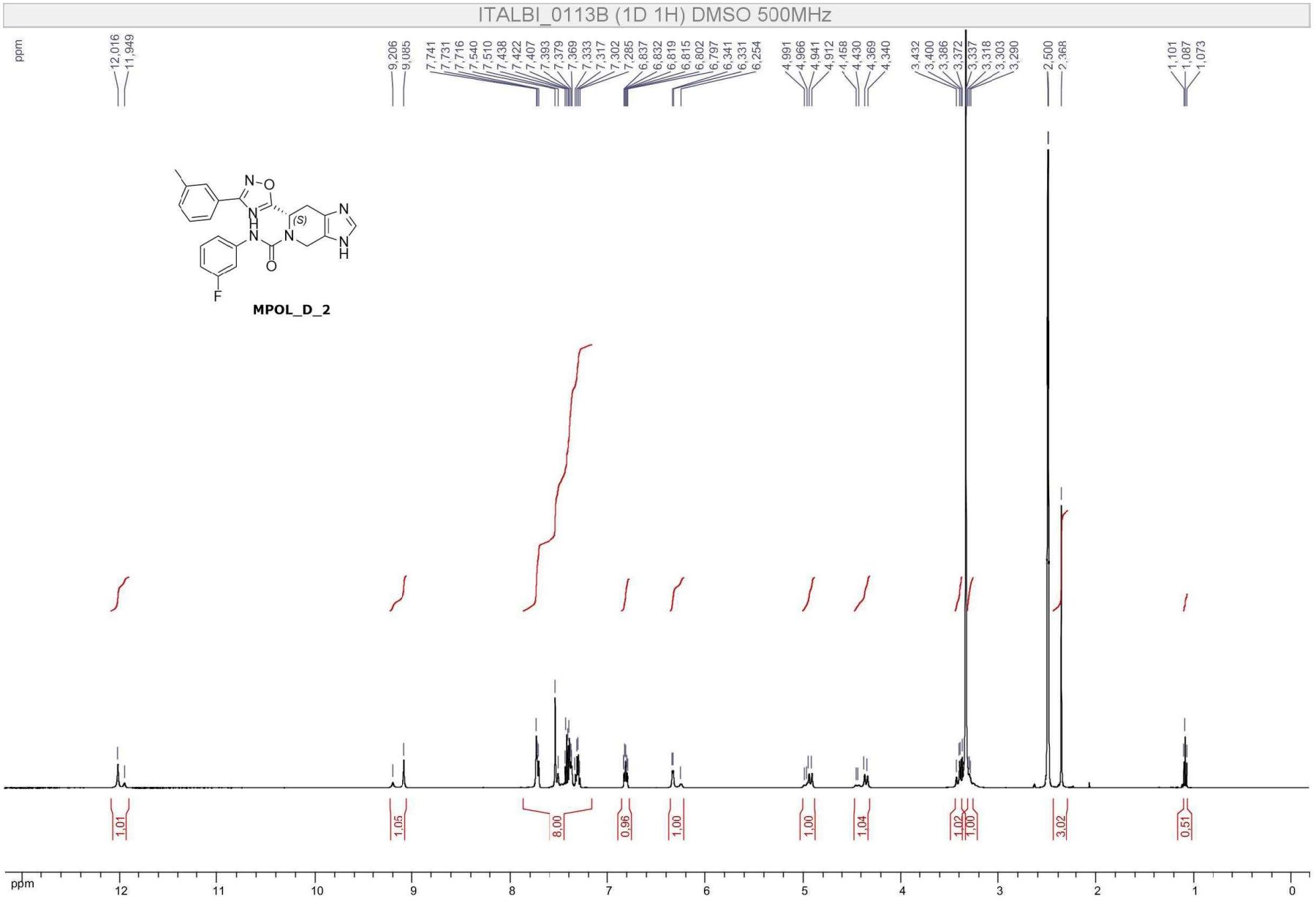











ITALBI_0113B (1D 1H) DMSO 500MHz
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1,073
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1,00
1,00
1,04
1,02
1,00
3,02
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ppm
12
11
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9
8
7
6
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3
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