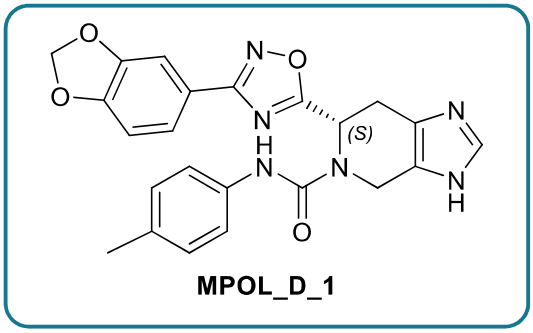
CERTIFICATE OF ANALYSIS



COMPOUND IDENTITY

BATCH IDENTIFIER:	NNAHDI_0119A
COMPOUND IDENTIFIERS:	MPOL_D_1
CHEMICAL NAME:	(6S)-6-[3-(2H-1,3-benzodioxol-5-yl)-1,2,4-oxadiazol-5-yl]-N-(4-methylphenyl)-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:	$C_{23}H_{20}N_6O_4$
FREE BASE MOLECULAR WEIGHT:	444.45 $g.mol^{-1}$
SALT FORMULA:	-
SALT MOLECULAR WEIGHT:	-
PHYSICAL ASPECT:	White powder
STABILITY:	-
KNOWN SOLUBILITY:	DMSO, DCM, CDCl3

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_053
COMPOUND UV AREA: 97.7 % COLUMN: Poroshell 120 EC-C18
ELUTION GRADIENT‡: Water (+0.2 wt % NH4HCO3) / Acetonitrile: from 98:2 to 0:100
DETECTION: UV (220 nm) MASS DETECTION: ESI+ & ESI-
EXACT MASS: 444.15
MAIN MASS PEAKS: 445.1 [M+H]+ / 443.1 [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%):
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

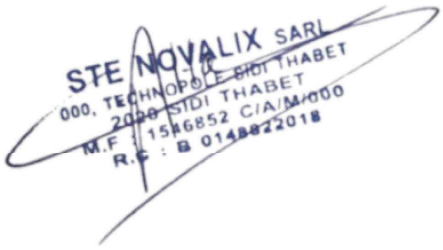
CONTACT: Dr. Hajer Abdelkafi
CHEMIST: Nadia Nahdi

ANALYSIS DATE: 22th September 2023
AMOUNT DELIVERED: 8.00 mg

RETEST DATE: -

REVIEWED BY: Dr. Hajer Abdelkafi

REVIEW DATE: 14th November 2023



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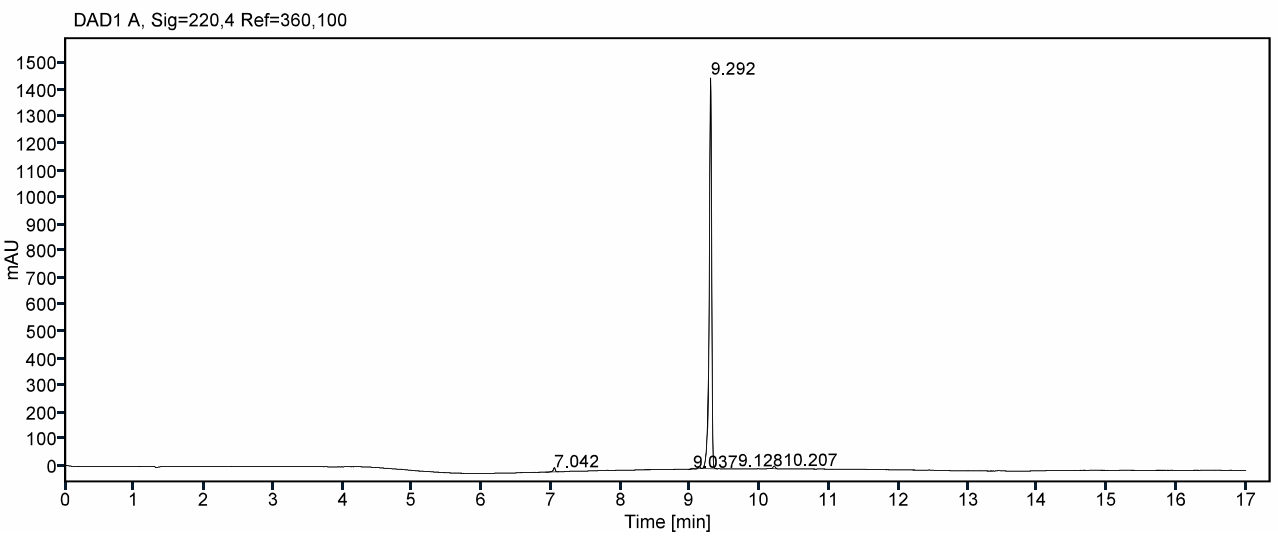
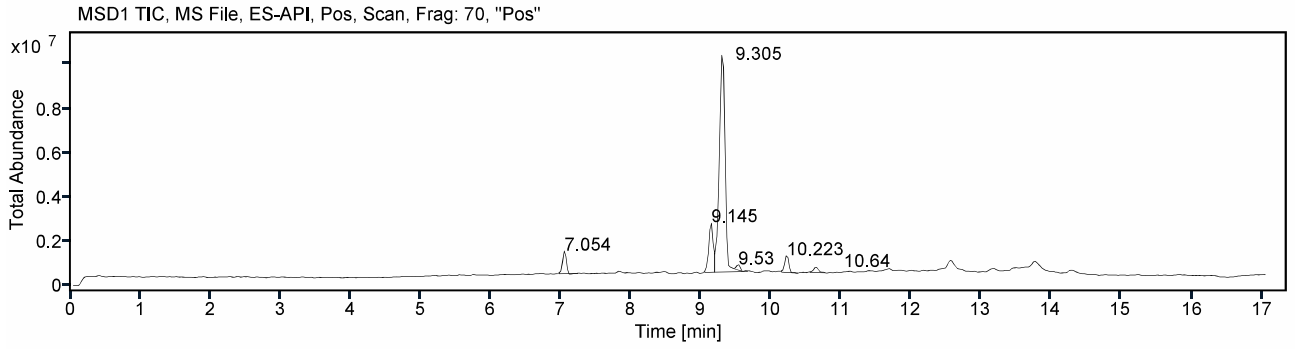
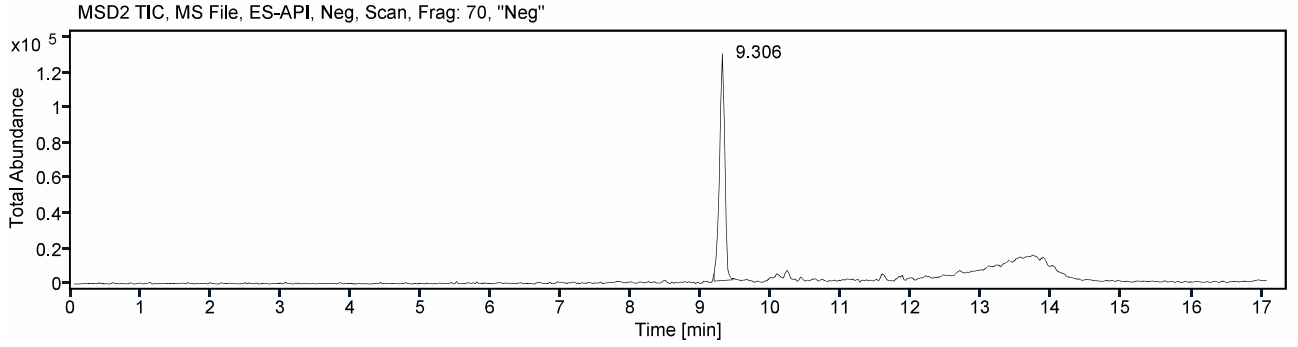
LCMS NNAHDI_0119A

Data file: C:\Users\Public\Documents\ChemStation\1\Data\2023\09\22-09-23\NNAHDI_0119A_3927.D
Injection date: 9/22/2023 8:31:26 PM
Location: P1-F-05
Acq. method: AN01_001_053_pos_neg.M
Inj. vol (µL) 1.000
Analysis method: AN01_001_053_pos_neg.M
Processing Method: Process UV, Process MS
Column name: Poroshell 120 EC-C18







LCMS NNAHDI_0119A

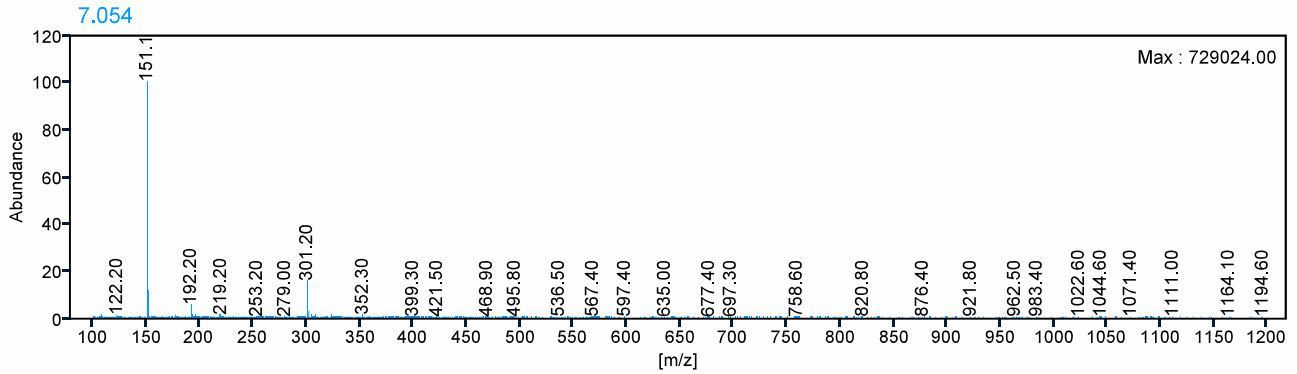
Signal: DAD1 A, Sig=220,4 Ref=360,100

	Rt min	Area	Height	Area%
	7.04	36	16	1.0
	9.04	10	4	0.3
	9.13	18	8	0.5
	9.29	3665	1468	97.7
	10.21	24	10	0.6
	Sum	3753		100.0

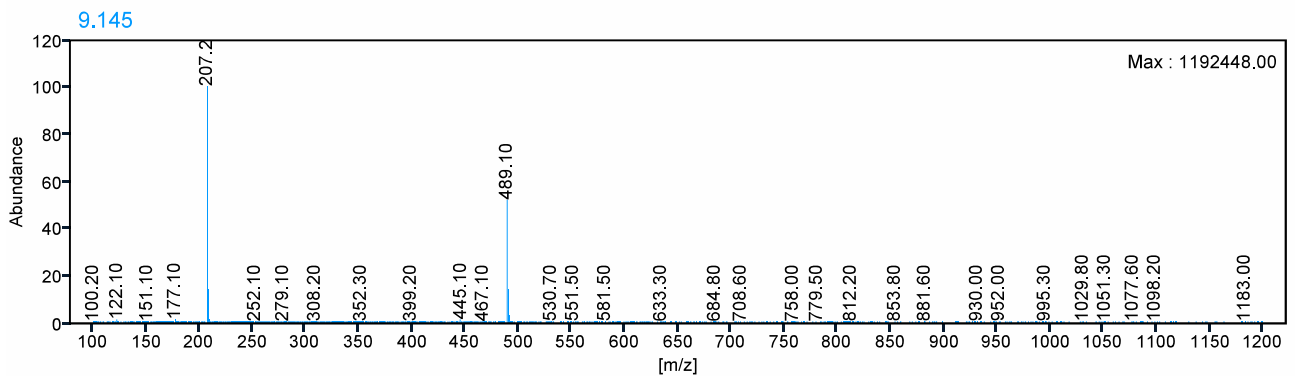
LCMS NNAHDI_0119A

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

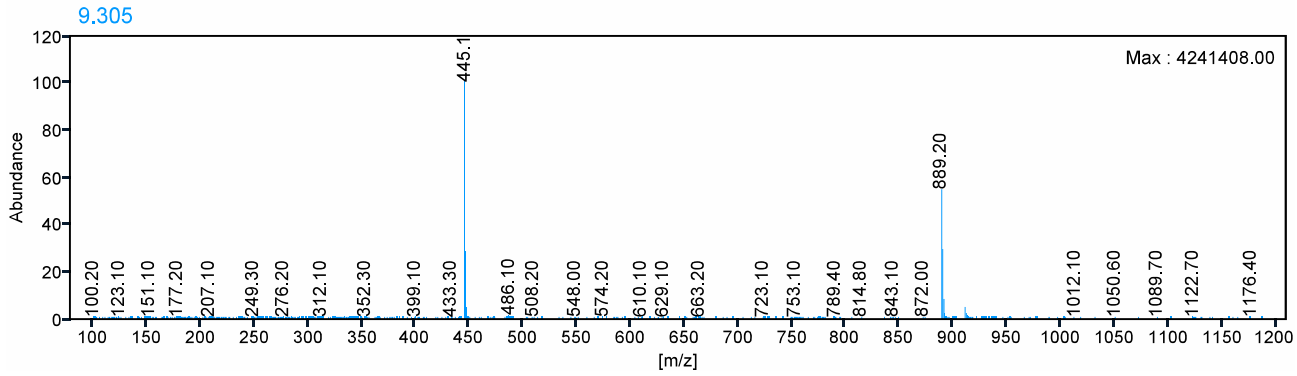
Peak RT 7.054



Peak RT 9.145

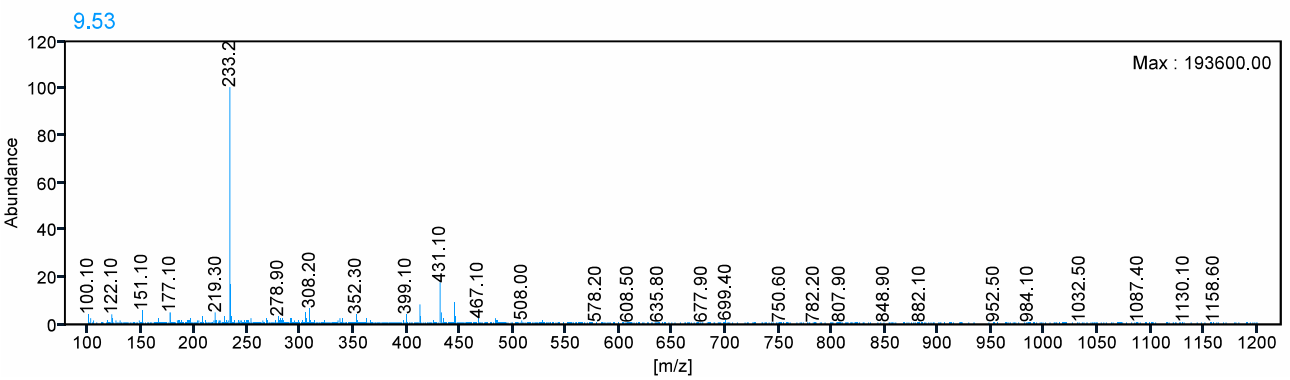


Peak RT 9.305

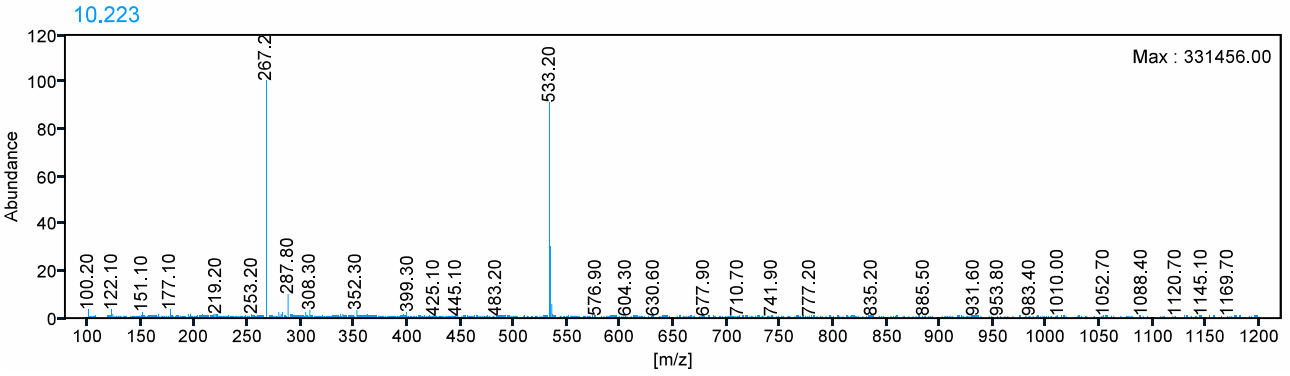


LCMS NNAHDI_0119A

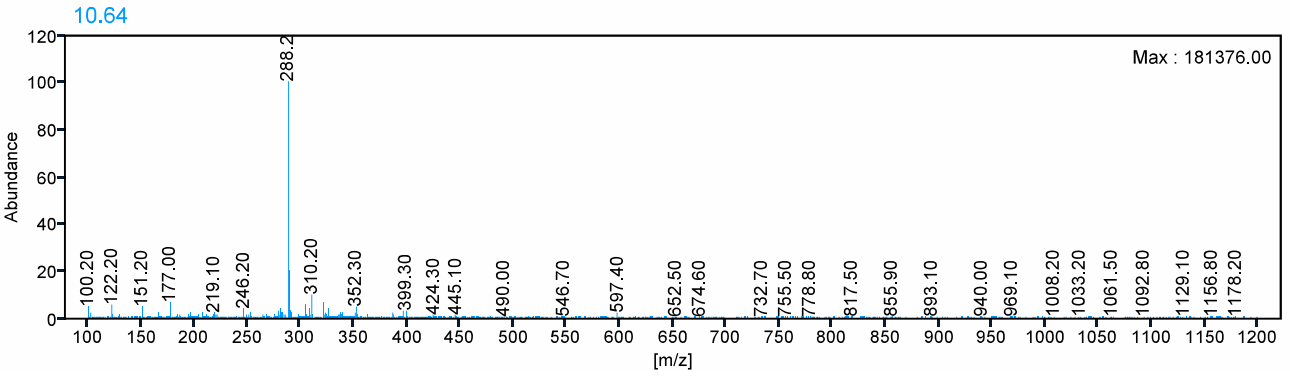
Peak RT 9.530



Peak RT 10.223



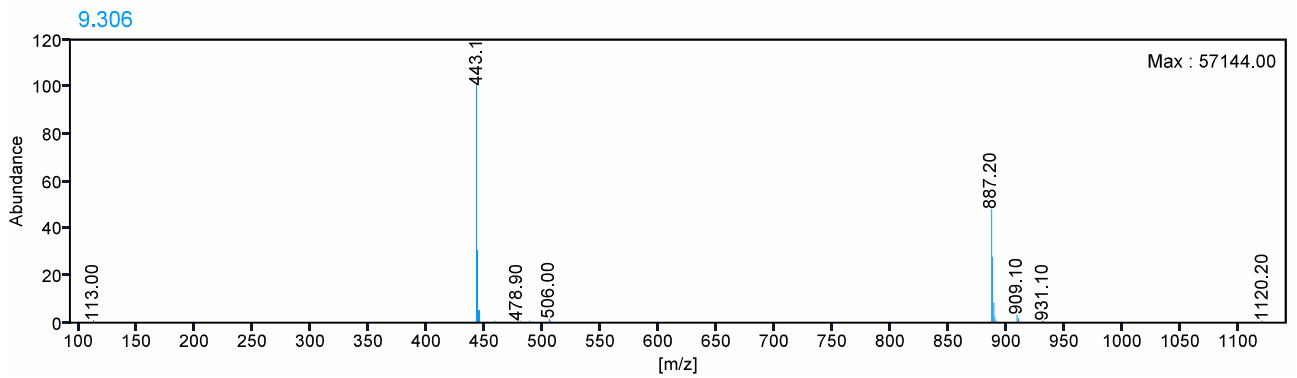
Peak RT 10.640

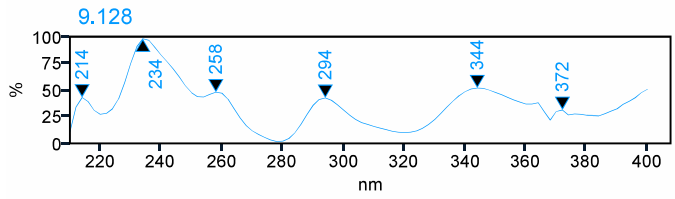


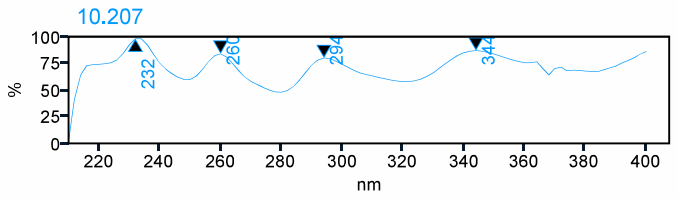
LCMS NNAHDI_0119A

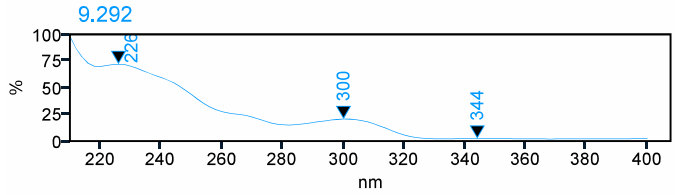
Signal MSD2 TIC, MS File, ES-API, Neg, Scan, Frag: 70, "Neg"

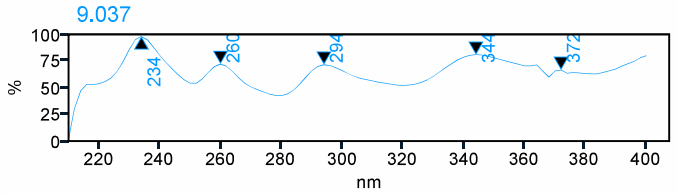
Peak RT 9.306

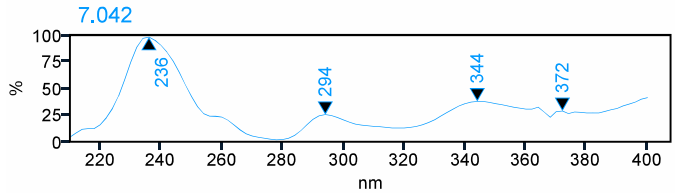












NNAHDI_0119A (1D 1H) DMSO 500MHz