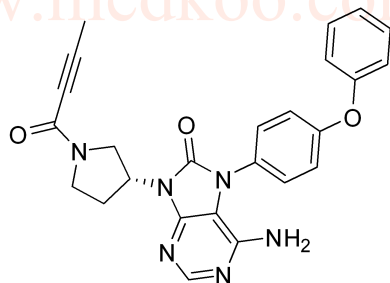


Tirabrutinib HNMR Analysis, Solvent = DMSO



8.149
8.136
7.465
7.456
7.445
7.435
7.426
7.220
7.202
7.183
7.165
7.158
7.152
7.144
7.136
7.131
5.794
5.131
5.121
3.994
3.969
3.736
3.701
3.333
2.655
2.633
2.511
2.507
2.503
2.283
2.265
2.254
2.237
2.235
2.039
1.994
1.982



MedKoo Cat#: 206611

Name: Tirabrutinib free base

CAS#: 1351636-18-4 (free base).

Lot#: BBC61104

Chemical Formula: C₂₅H₂₂N₆O₃

Exact Mass: 454.1753

Molecular Weight: 454.49

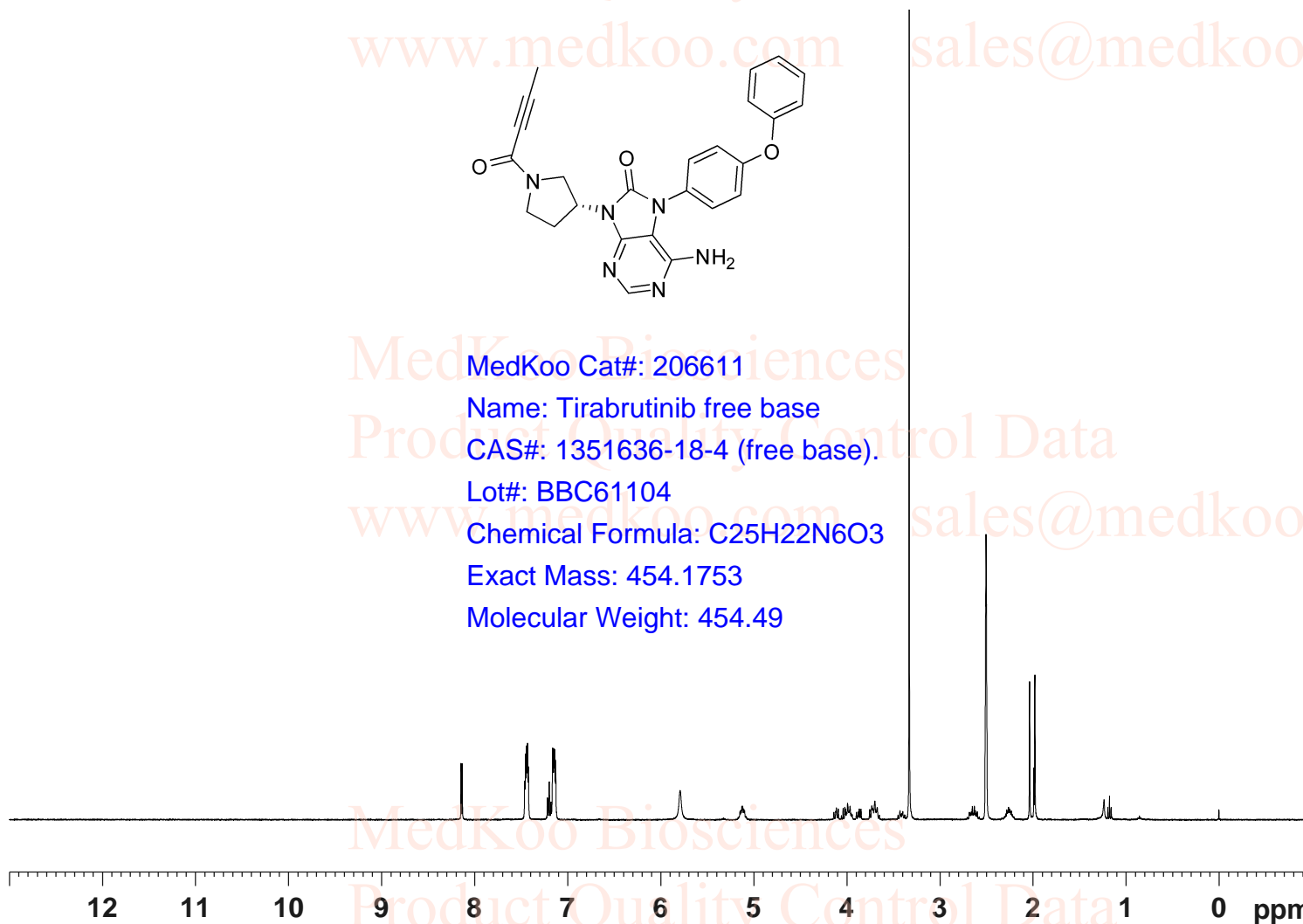
Current Data Parameters
NAME ONO-4059
EXPNO 10
PROCNO 1

F2 - Acquisition Parameters

INSTRUM spect
PROBHD 5 mm PABBO BB-
PULPROG zg30
TD 65536
SOLVENT DMSO
NS 16
DS 2
SWH 8012.820 Hz
FIDRES 0.122266 Hz
AQ 4.0894465 sec
RG 203
DW 62.400 usec
DE 6.50 usec
TE 297.0 K
D1 1.00000000 sec
TD0 1

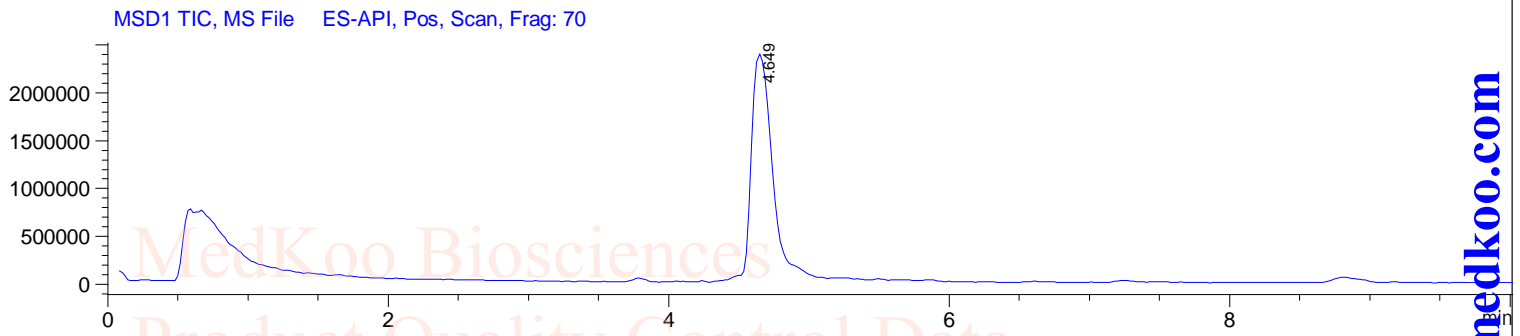
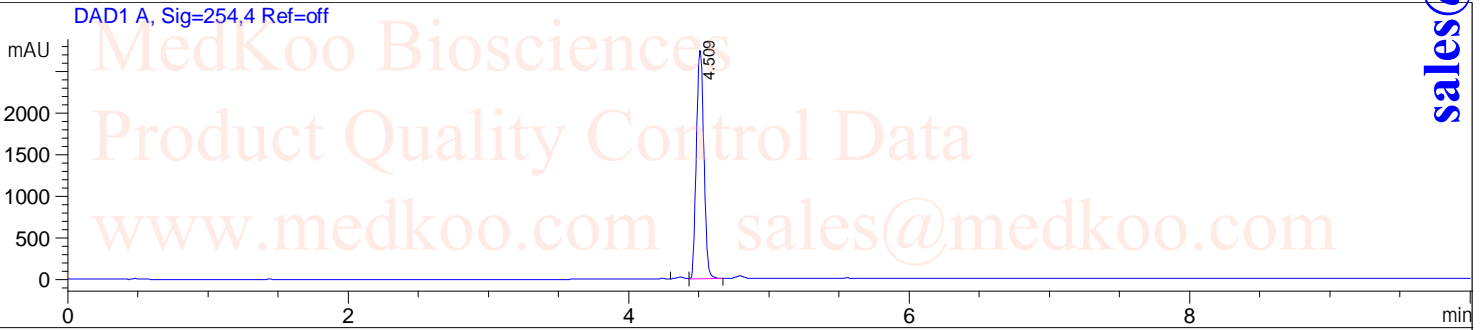
==== CHANNEL f1 =====
SFO1 400.1324710 MHz
NUC1 1H
P1 13.00 usec
PLW1 19.00000000 W

F2 - Processing parameters
SI 65536
SF 400.1300000 MHz
WDW no
SSB 0
LB 0 Hz
GB 0
PC 1.00

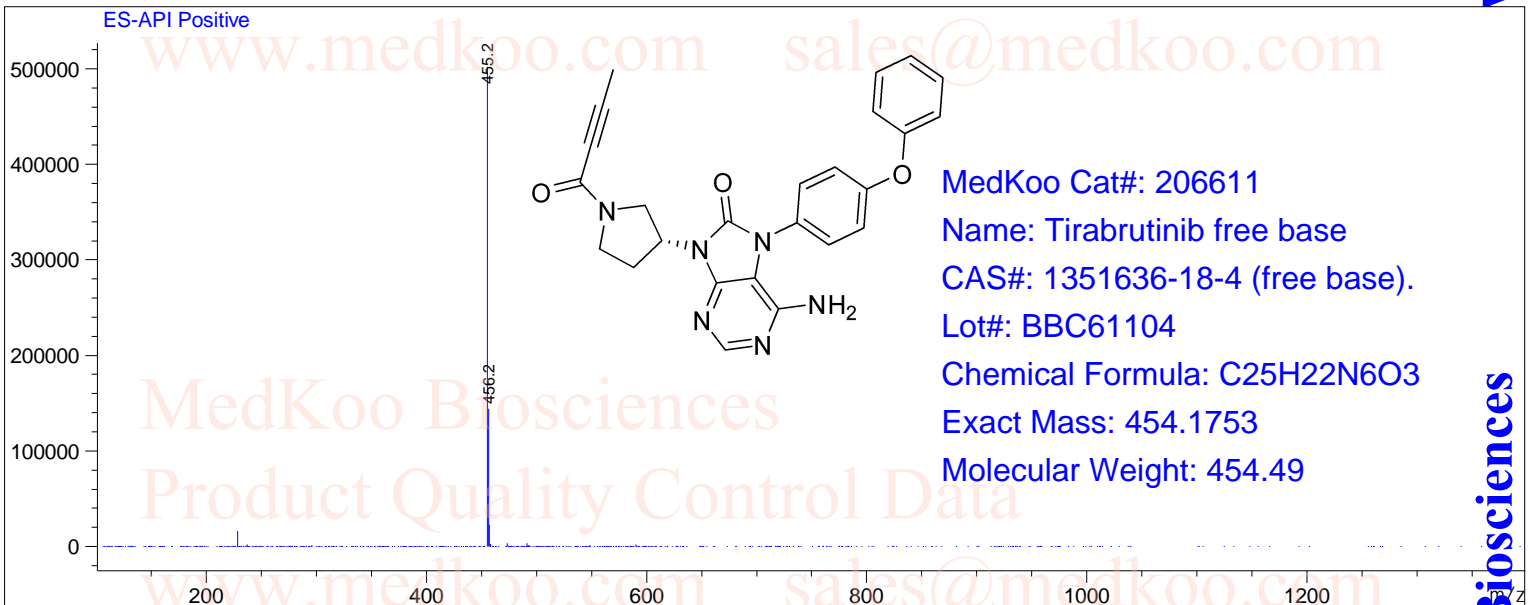


Tirabrutinib LC/MS Analysis

Sample Name : ONO-4059 Tgt Mass(EZX) :
Acq. Operator : [BSB1] Location : Vial 56
Spec. Reported : MS Integration Inj : 1
Acq. Method : C:\Chem32\1\DATA\TEST KR POS_LC.M Inj Volume : 1 ul
Analysis Method : C:\CHEM32\1\METHODS\TEST KR POS_LC.M



Ret. Time: 4.65 <<<< POSITIVE SPECTRA >>>>



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