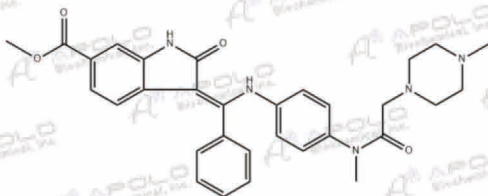


CERTIFICATE OF ANALYSIS

Product Name: Nintedanib

Chemical Name: Methyl (Z)-3-[[[4-[N-methyl-2-(4-methylpiperazin-1-yl)acetamido]phenyl]amino](phenyl)methylene]-2-oxoindoline-6-carboxylate

Chemical Structure:



Lot Number: AG00FBZI1110224

CAT Number: APL-WCPN-0656247

CAS Registry Number: 656247-17-5

Manufacture Date: 02/2021

Expiry Date: 02/2024

Molecular Formula: C₃₁H₃₃N₅O₄

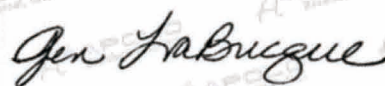
Molecular Weight: 539.6248

Storage: 2-8 °C

Analysis Data

Item	Specification	Results
Appearance	Light green powder	Complies
HNMR	Consistent with the structure	Complies
Purity	≥ 99.00 %	99.00 %

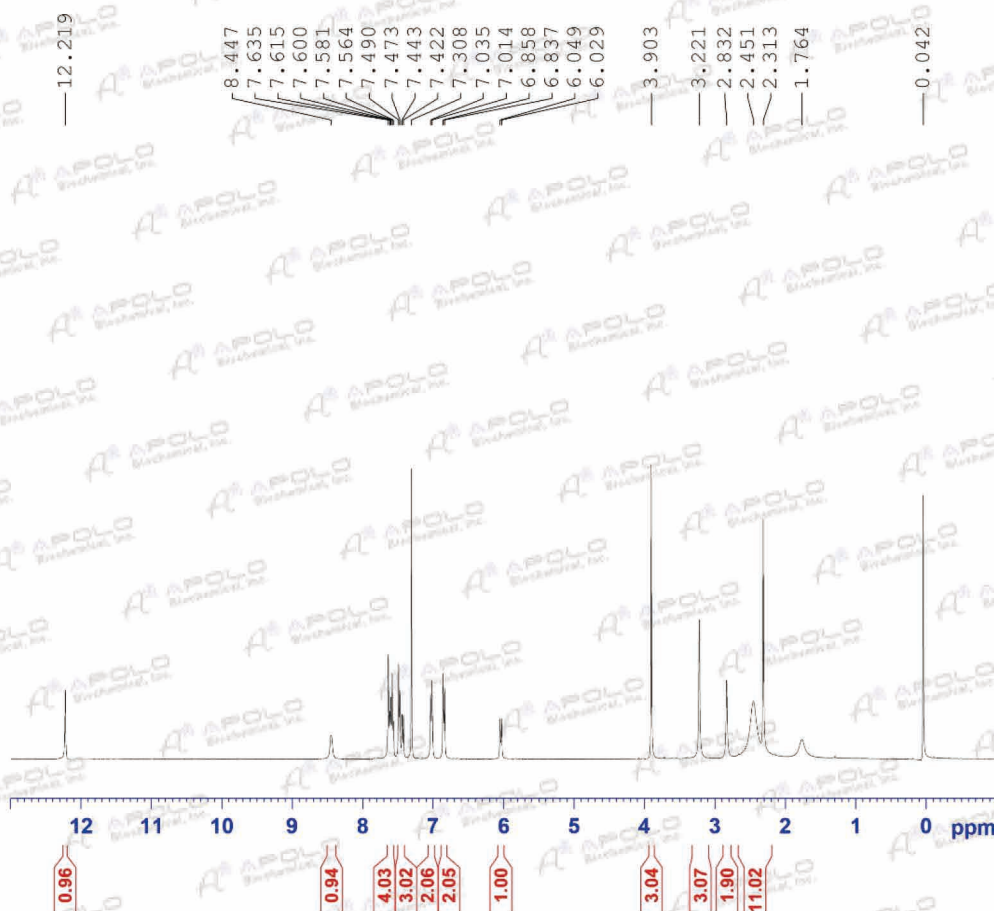
The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Jennifer LaBrecque 03/2022
Quality Assurance Manager

Conclusion: The above product meets the specifications of APOLO

AZF20-258025-1 HNMR in CDCl₃



Current Data Parameters
NAME: AZF20-258025-1
EXPNO: 8
PROCNO: 1

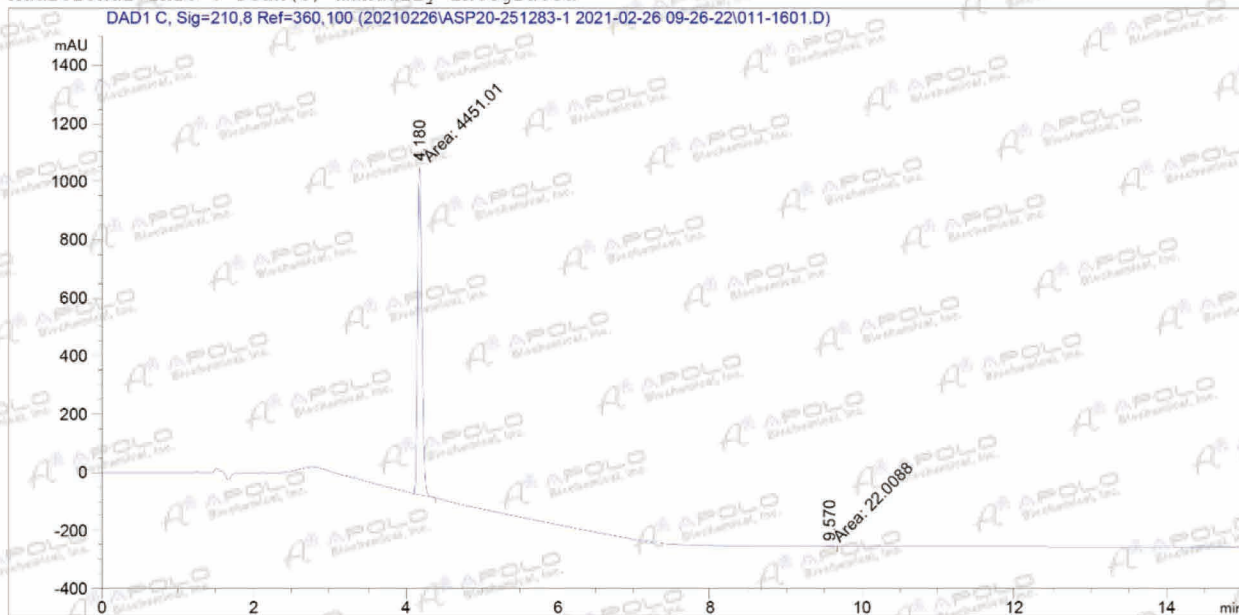
F2 - Acquisition Parameters
Date_: 20210226
Time: 14.07
INSTRUM: WNMRI-400MHz
PULPROG: zgpg30
TD: 38860
SOLVENT: CDCl₃
NS: 32
DS: 0
SWH: 9715.024 Hz
AQ: 1.9999950 sec
RG: 67.6
DW: 51.467 usec
DE: 30.00 usec
TE: 291.1 K
NUC1: 1H
PL1: 120.00 dB
SFO1: 399.8316015 MHz

F2 - Processing parameters
SI: 131072
SF: 399.8277207 MHz
WDW: EM
SSB: 0
LB: 0.50 Hz
GB: 0.1
PC: 1.00

Data File C:\CHEM32\1\DATA\20210226\ASP20-251283-1 2021-02-26 09-26-22\011-1601.D
Sample Name: AZF20-258025-1

=====

Acq. Operator :	Instrument 1	Seq. Line :	16
Acq. Instrument :	Instrument 1	Location :	Vial 11
Injection Date :	2/26/2021 3:30:38 PM	Inj :	1
		Inj Volume :	5.0 µl
Different Inj Volume from Sequence !		Actual Inj Volume :	2.0 µl
Acq. Method :	C:\CHEM32\1\DATA\20210226\ASP20-251283-1 2021-02-26 09-26-22\NORMAL-TFA.M		
Last changed :	2/25/2021 10:50:14 AM		
Analysis Method :	C:\CHEM32\1\METHODS\20210225.M		
Last changed :	2/26/2021 3:56:52 PM		
	(modified after loading)		
Additional Info :	Peak(s) manually integrated		



=====
Area Percent Report
=====

Sorted By : Signal
Multiplier: : 1.0000
Dilution: : 1.0000
Use Multiplier & Dilution Factor with ISTDs

Signal 1: DAD1 C, Sig=210,8 Ref=360,100

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Height [mAU]	Area %
1	4.180	MM	0.0656	4451.00684	1130.59973	99.5080
2	9.570	MM	0.1251	22.00875	2.93294	0.4920

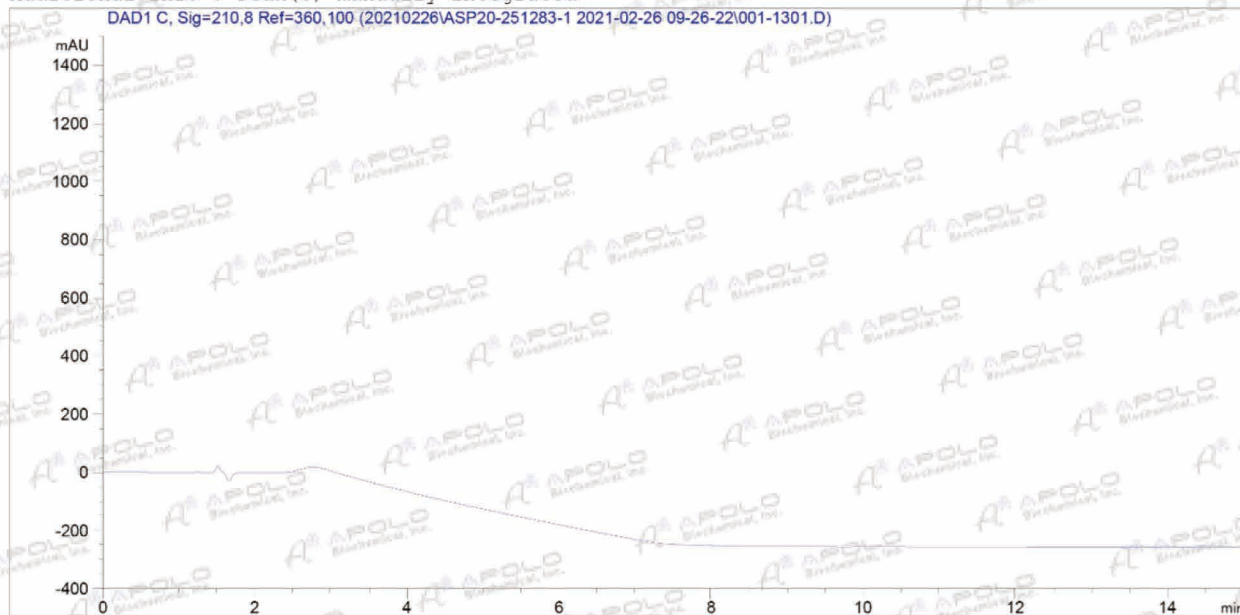
Totals : 4473.01559 1133.53267

*** End of Report ***

Instrument 1 2/26/2021 3:56:54 PM

Data File C:\CHEM32\1\DATA\20210226\ASP20-251283-1 2021-02-26 09-26-22\001-1301.D
Sample Name: BLANK

```
=====
Acq. Operator   :                               Seq. Line :   13
Acq. Instrument : Instrument 1                   Location  : Vial 1
Injection Date  : 2/26/2021 2:20:05 PM          Inj       :    1
                                                Inj Volume: 5.0 µl
Different Inj Volume from Sequence !          Actual Inj Volume: 2.0 µl
Acq. Method     : C:\CHEM32\1\DATA\20210226\ASP20-251283-1 2021-02-26 09-26-22\NORMAL-TFA.M
Last changed    : 2/25/2021 10:50:14 AM
Analysis Method : C:\CHEM32\1\METHODS\20210225.M
Last changed    : 2/26/2021 3:56:52 PM
                (modified after loading)
Additional Info : Peak(s) manually integrated
=====
```



=====
Area Percent Report
=====

```
Sorted By      : Signal
Multiplier:    : 1.0000
Dilution:      : 1.0000
Use Multiplier & Dilution Factor with ISTDs

No peaks found
```

*** End of Report ***

Instrument 1 2/26/2021 3:57:29 PM