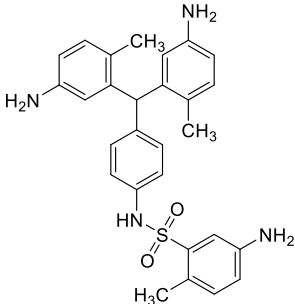


Certificate of Analysis

Product Name	Pazopanib Impurity 27	
Catalogue Number	PN154	
CAS Number	1226500-00-0	
Source Lot No.	2023092101	
Molecular Formula	C ₂₈ H ₃₀ N ₄ O ₂ S	
Molecular Weight	486.63	
Storage Conditions	Store at 2~8°C	
Synonyms	5-amino- <i>N</i> -(4-(bis(5-amino-2-methylphenyl)methyl)phenyl)-2-methylbenzenesulfonamide	

Test description	Specifications	Results
Visual Description	Off-White solid	Conforms
Identification		
MS	Conforms to structure	Conforms
HNMR	Conforms to structure	Conforms
Purity(HPLC)	Not less than 95.0%	95.82%
Residual Solvents(NMR)	0.94% of ethanol	
Assay(%)	Not less than 90.0%	N/A

	Department	Signature	Date
Reviewed and approved by	Quality Control		
Approved by	Quality Assurance		

Attachments HPLC,MS,and NMR spectra.

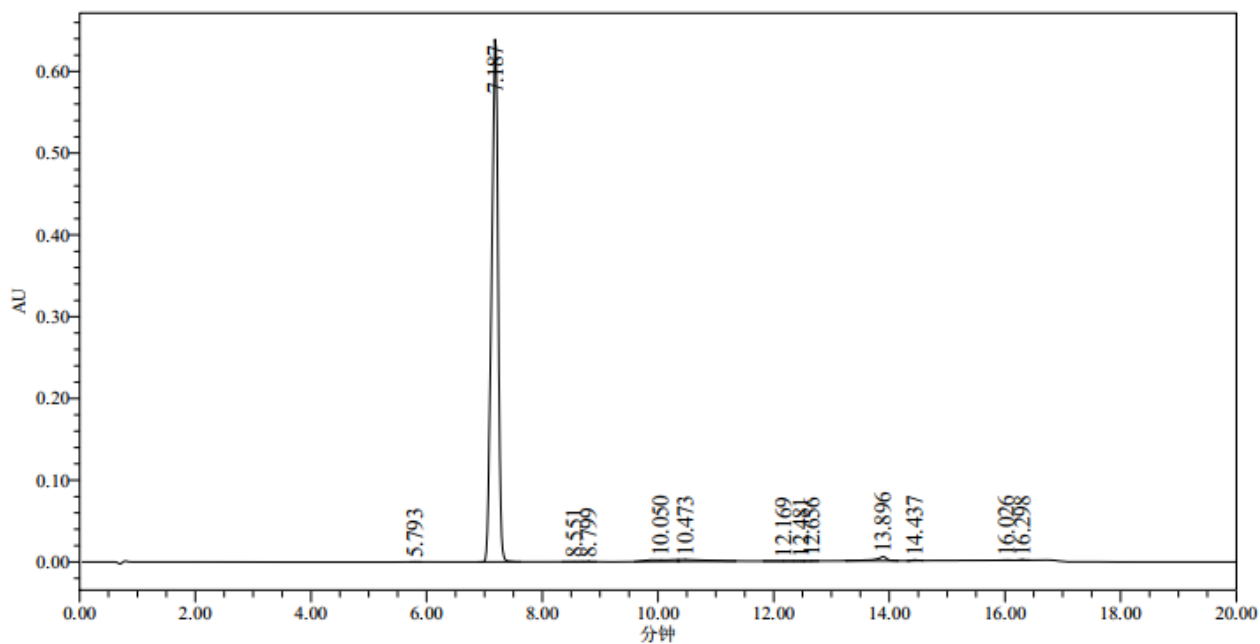
Date:20231008

Retest date:20261008

公司地址: 江苏省常州市通江中路 108 号丰臣国际广场 3 号楼 503 室
 咨询电话: 0519-68231162
 网址: www.klongchem.com 邮箱: info@klongchem.com

Sample Name: PN154-2023092101
 Instrument: FX-HPLC-08 Location: Vial 13
 Injection Volume: 5.0uL Injection No.: 1
 Acq.method: 20230708-PN03-RI-HPLC05-M01.amx Acquired by: zyc
 Acquired date: 2023-09-23 16:54:39+08:00 Data last modified date: 2023-09-24 10:04:28+08:00

Wavelength=220nm

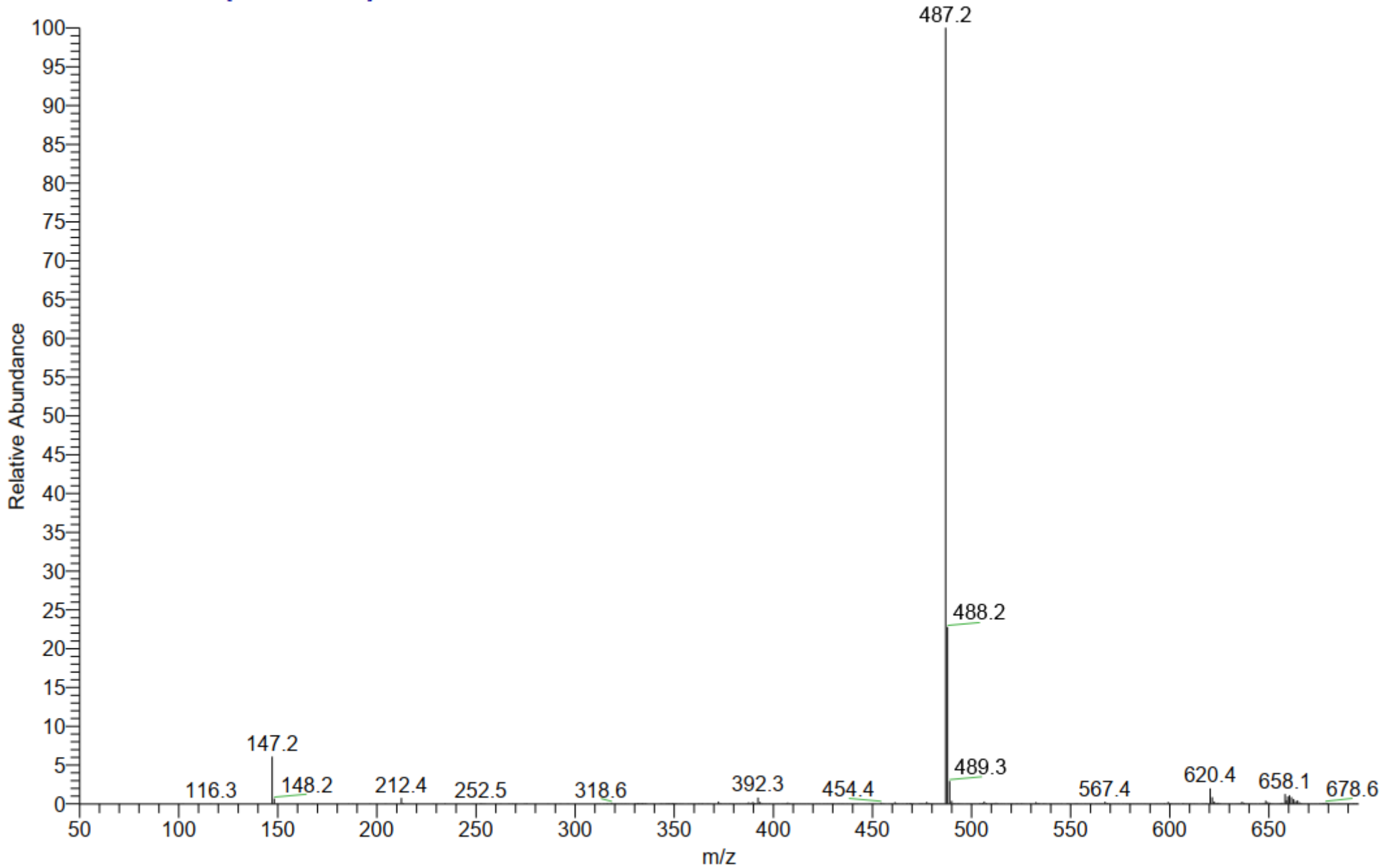


色谱峰结果

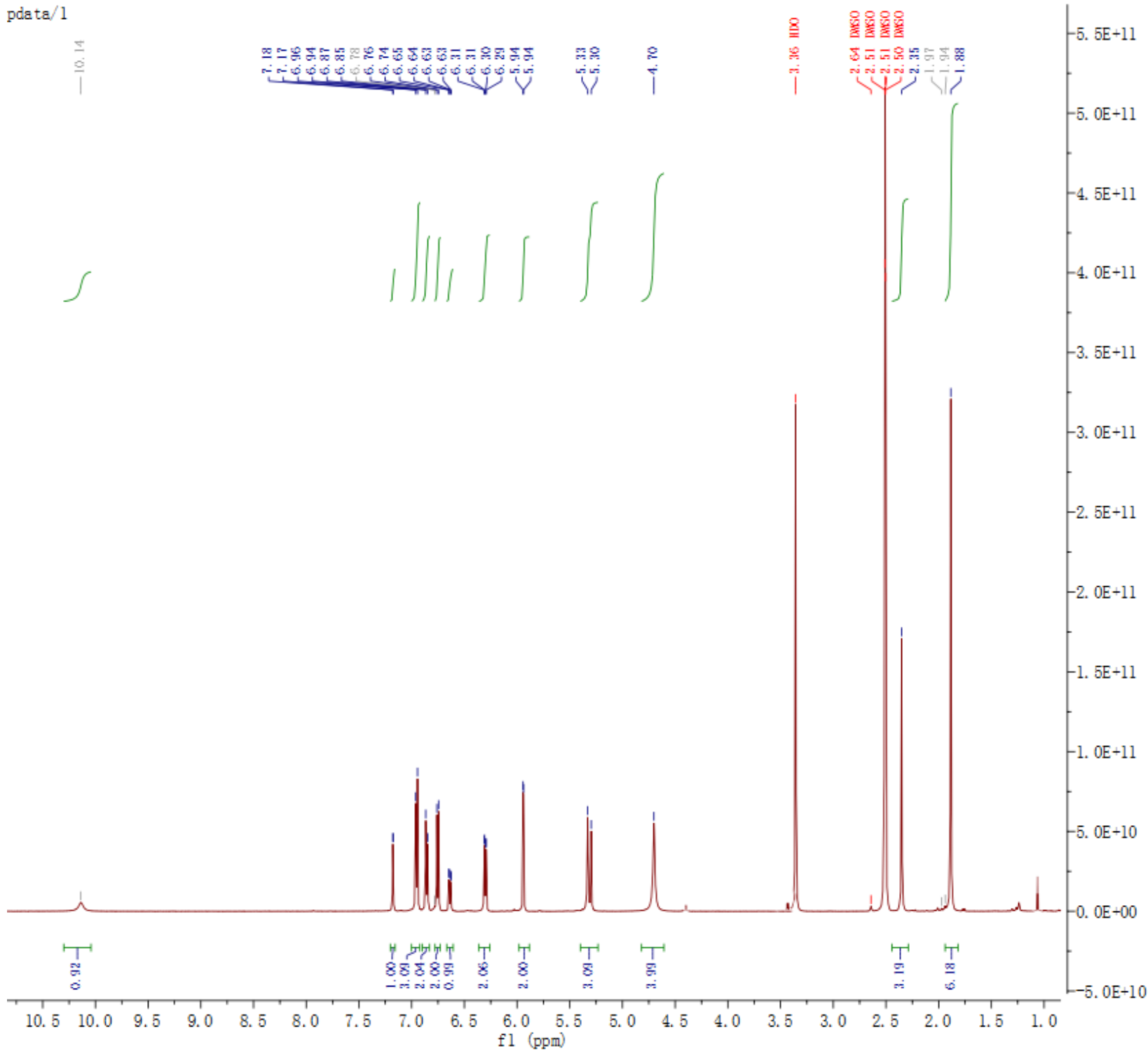
名称	保留时间	RRT	峰面积	峰高	% 面积	拖尾因子	分离度	理论塔板数	S/N
1	5.793		560.3	112.2	0.01				
2	7.187		4999235.6	638482.6	95.82				
3	8.551		2497.6	174.2	0.05				
4	8.799		2040.4	287.0	0.04				
5	10.050		72061.0	1953.5	1.38				
6	10.473		65856.1	2294.9	1.26				
7	12.169		1127.5	79.0	0.02				
8	12.481		254.9	52.4	0.00				
9	12.656		1293.4	216.3	0.02				
10	13.896		63481.5	4983.6	1.22				
11	14.437		5228.8	939.7	0.10				
12	16.026		1069.4	125.5	0.02				
13	16.298		2472.3	469.9	0.05				

总峰面积: 5217178.7

ESIL202301903 #21-65 RT: 0.16-0.23 AV: 7 SB: 35 0.01-0.14 NL: 8.37E6
T: ITMS + c ESI Full ms [50.00-2000.00]



pdata/1



Parameter	Value
1 Data File Name	D:/Users/zzy/ / FN154-2023092101/ 1/ pdata/ 1/ 1r
2 Title	pdata/ 1
3 Comment	
4 Origin	Bruker BioSpin GmbH
5 Owner	nmr
6 Site	
7 Spectrometer	Avance NEO 500M
8 Author	
9 Solvent	DMSO
10 Temperature	294.5
11 Pulse Sequence	zg30
12 Experiment	1D
13 Probe	Z151574_0064 (PI HR-BB0500S1-BBF/ H/ D-5.0-Z SP)
14 Number of Scans	16
15 Receiver Gain	101
16 Relaxation Delay	1.0000
17 Pulse Width	8.0000
18 Presaturation Frequency	
19 Acquisition Time	3.2768
20 Acquisition Date	2023-10-07T15:05:20
21 Modification Date	2023-10-07T15:03:50
22 Class	
23 Spectrometer Frequency	500.10
24 Spectral Width	10000.0
25 Lowest Frequency	-1911.9
26 Nucleus	1H
27 Acquired Size	32768
28 Spectral Size	65536