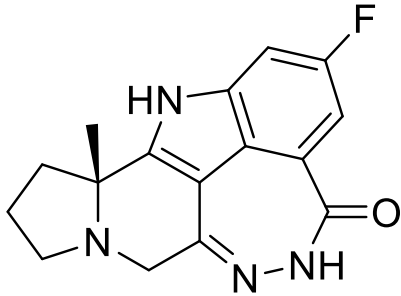




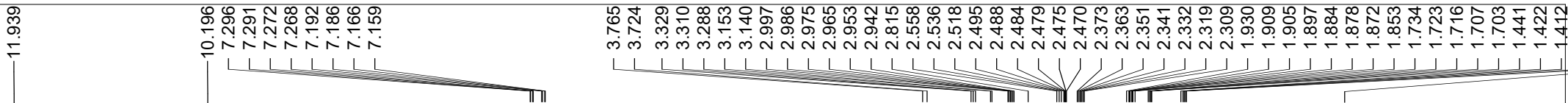
Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
561124	Pamiparib free base	S22S09C15

Chemical name	
(10aR)-2-fluoro-10a-methyl-5,8,9,10,10a,11-hexahydro-5,6,7a,11-tetraazacyclohepta[def]cyclopenta[a]fluoren-4(7H)-one	
Synonyms	
Pamiparib; BGB-290; BGB 290; BGB290	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 561124 Name: Pamiparib free base CAS#: 1446261-44-4 (free base) Lot #: S22S09C15 Chemical Formula: C ₁₆ H ₁₅ FN ₄ O Exact Mass: 298.123 Molecular Weight: 298.32

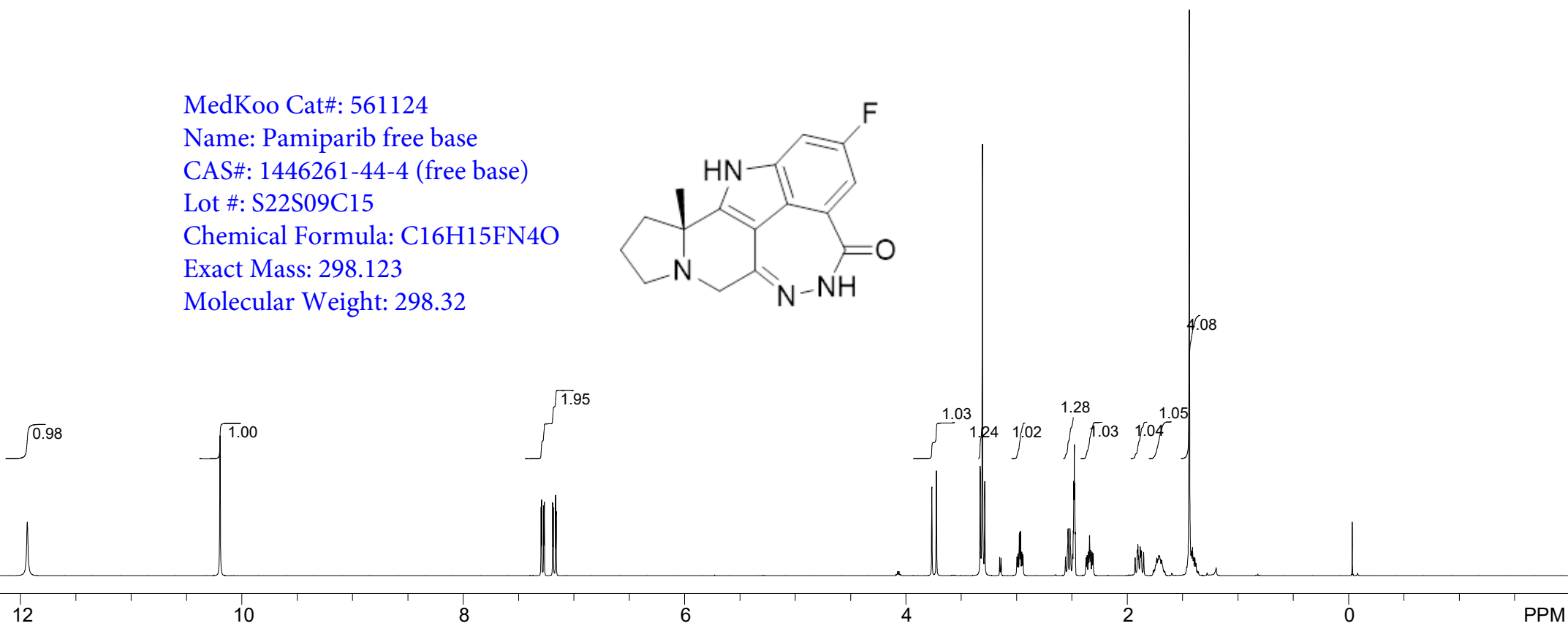
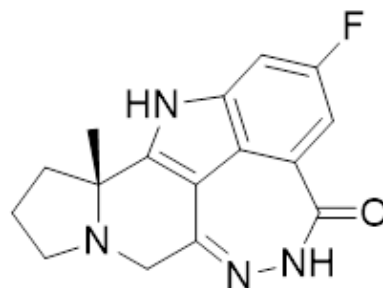
Analysis item	Specifications / Results
Appearance	Yellow to orange solid powder
Structure	¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
Purity (HPLC)	>99.0%
Conclusion	This product conforms with MedKoo's quality standards
Shipping condition	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
Storage condition	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
Shelf life	At least 3 years if properly stored.

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE



Pamiparib free base HNMR Analysis, Solvent: DMSO

MedKoo Cat#: 561124
 Name: Pamiparib free base
 CAS#: 1446261-44-4 (free base)
 Lot #: S22S09C15
 Chemical Formula: C₁₆H₁₅FN₄O
 Exact Mass: 298.123
 Molecular Weight: 298.32



Pamiparib, d6-DMSO, 400MHz

F1: 399.820	F2: 100.544	SW1: 6410	OF1: 2398.9	PTS1d: 16384
EX: s2pul	PW: 9.4 usec	PD: 5.0 sec	NA: 16	LB: 0.0

Nuts - \$PROTON_01.fid

Pamiparib free base HPLC Analysis

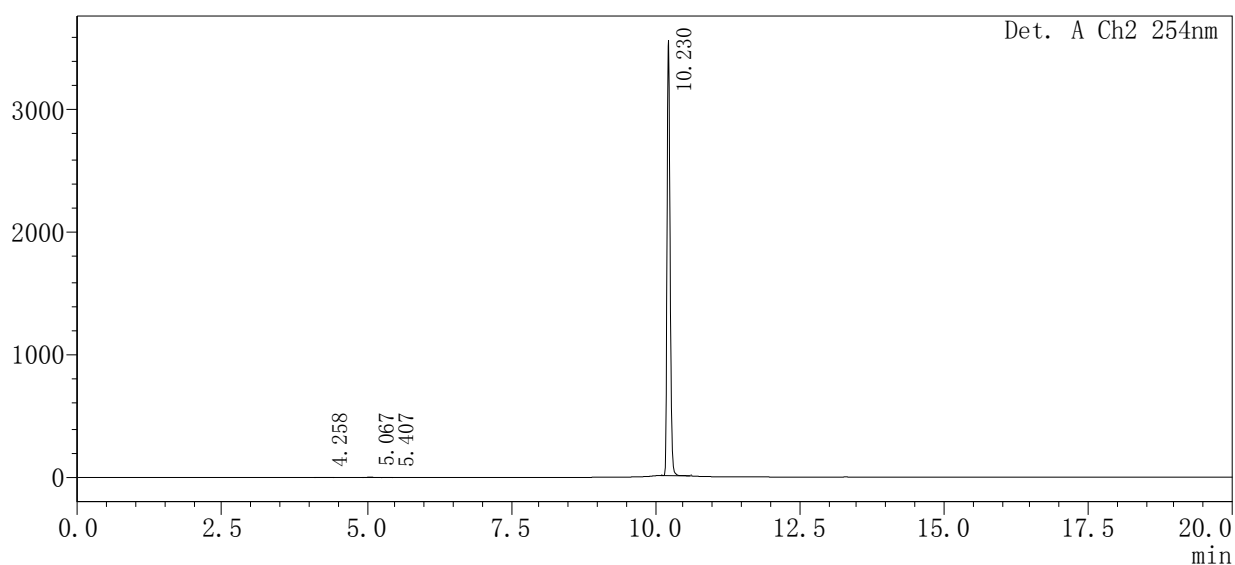
<Sample Information>

Sample Name : 1446261-44-4
Sample ID : 1446261-44-4
Data File : BGB290.lcd
Method File : cex50_90.lcm

Vial# : 1-1
Inj. Volume : 1 uL

<Chromatogram>

mV

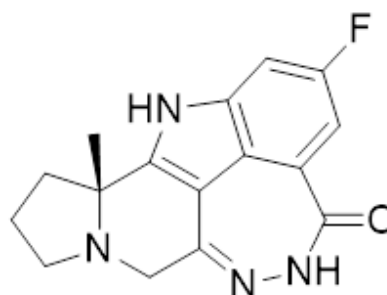


<Peak Table>

Det. A Ch2 254nm

Peak #	Ret. Time	# Theoretical plates(USP)	Area	Height	Area%
1	4.258	5244	1733	192	0.013
2	5.067	7001	5241	570	0.040
3	5.407	7628	1638	178	0.013
4	10.230	135904	13025864	3554458	99.934
Total			13034477	3555398	

MedKoo Cat#: 561124
Name: Pamiparib free base
CAS#: 1446261-44-4 (free base)
Lot #: S22S09C15
Chemical Formula: C₁₆H₁₅FN₄O
Exact Mass: 298.123
Molecular Weight: 298.32



Pamiparib free base MS Analysis

Compound ID :1446261-44-4
Sample ID :CAS00179-1446261-44-4
Injection Vol : 1ul
Location :tray1 vial62
Acq Method :MS.lcm
Instrument & column:LCMS-AH 15-105

