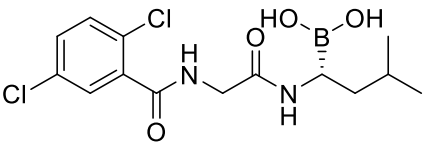


Certificate of Analysis

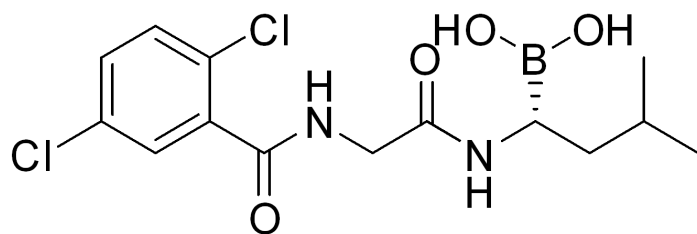
MedKoo Cat#:	Product Name:	Lot#:
205857	Ixazomib (MLN-2238)	CRB60119

Chemical name	
(R)-(1-(2-(2,5-dichlorobenzamido)acetamido)-3-methylbutyl)boronic acid	
Synonyms	
MLN2238; MLN-2238; MLN 2238; Ixazomib. Trade name: Ninlaro.	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 205857 Name: Ixazomib (MLN-2238) CAS#: 1072833-77-2 Lot# CRB60119 Chemical Formula: C ₁₄ H ₁₉ BCl ₂ N ₂ O ₄ Exact Mass: 360.08149 Molecular Weight: 361.03

Analysis item	Specifications / Results
Appearance	White 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)	>98.0%
Solubility	Soluble in DMSO.
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
Self life	At least 5 years if properly stored.

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

Ixazomib (MLN-2238) NMR analysis, solvent = DMSO-d6



MedKoo Cat#: 205857

Name: Ixazomib (MLN-2238)

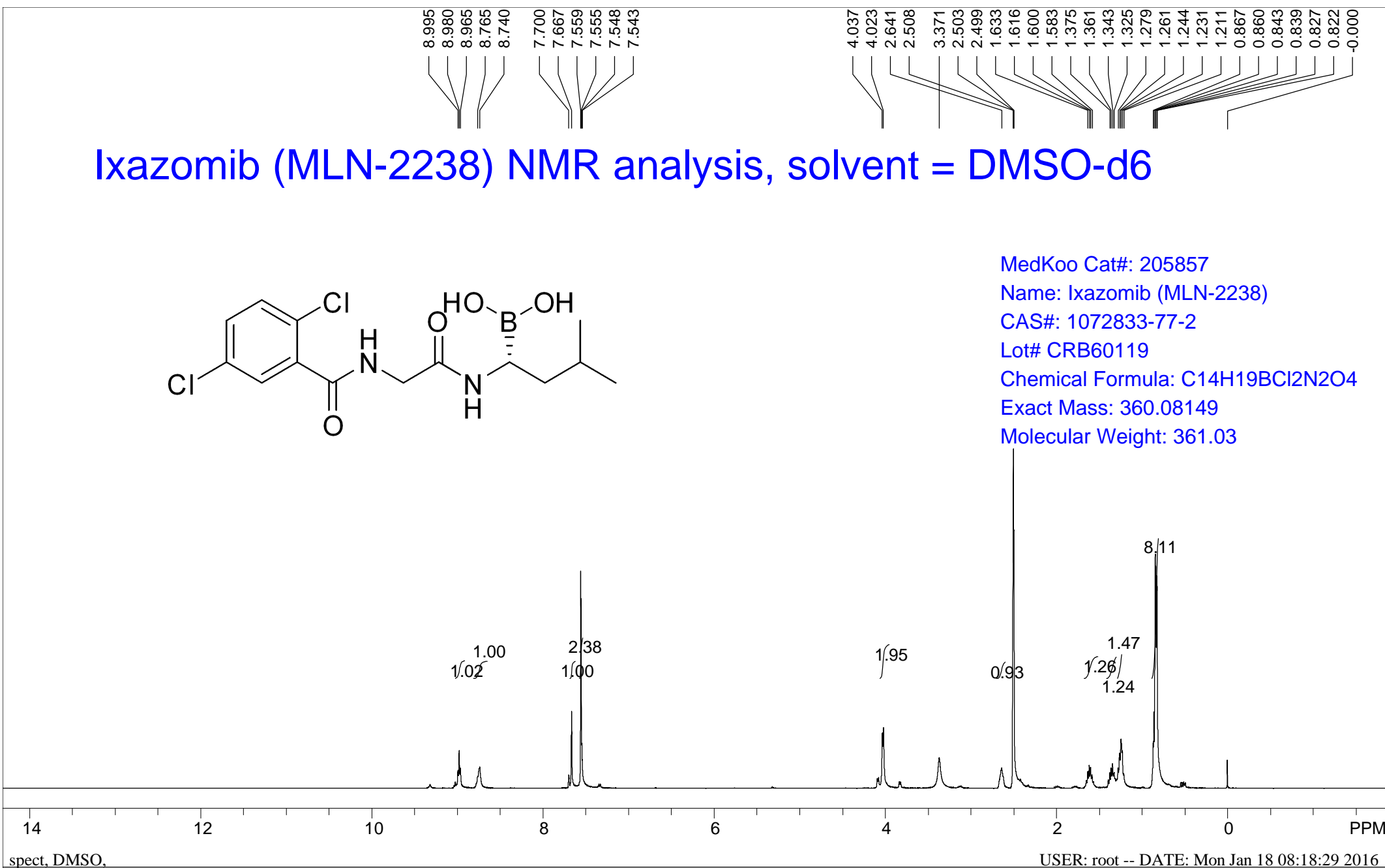
CAS#: 1072833-77-2

Lot# CRB60119

Chemical Formula: C₁₄H₁₉BCl₂N₂O₄

Exact Mass: 360.08149

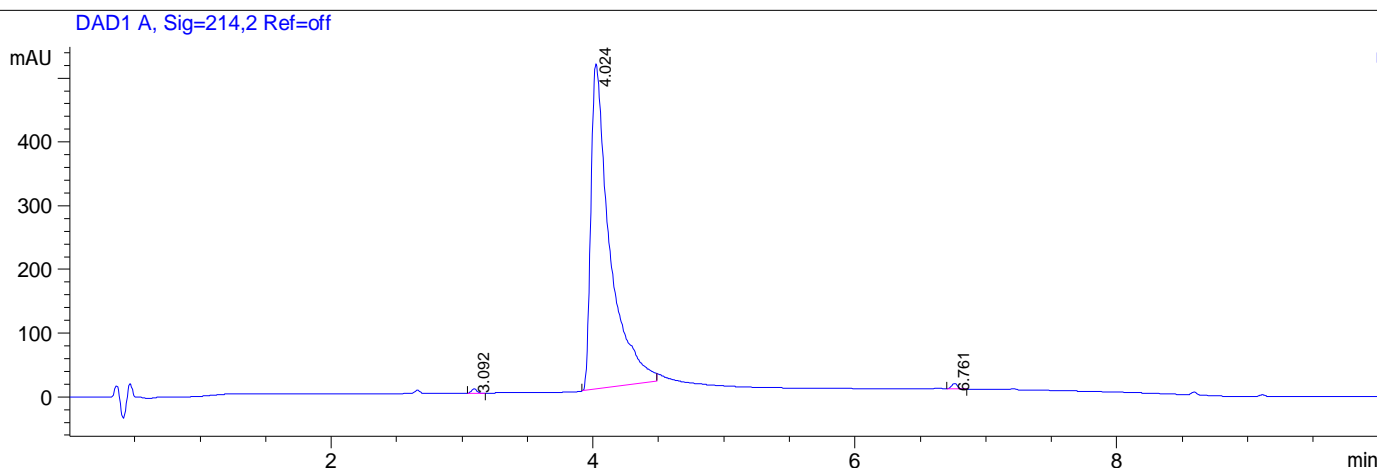
Molecular Weight: 361.03



Injection Date : 18-Jan-16, 10:51:06
Sample Name : 001018-C
Acq. Operator : 3
Spec. Reported : Integration

Seq. Line : 0
Location : P1-A-01
Inj : 0
Inj Volume : 3 ul

Ixazomib (MLN-2238) HPLC analysis



Integration Results for DAD1 A, Sig=214,2 Ref=off

RetTim	Width	Area	Height	Area%
3.09	0.04	18.00	6.56	0.35
4.02	0.14	5133.06	509.44	99.12
6.76	0.05	27.36	8.79	0.53

MedKoo Cat#: 205857
Name: Ixazomib (MLN-2238)
CAS#: 1072833-77-2
Lot# CRB60119
Chemical Formula: C₁₄H₁₉BCl₂N₃O₄
Exact Mass: 360.08149
Molecular Weight: 361.03

sales@medkoo.com

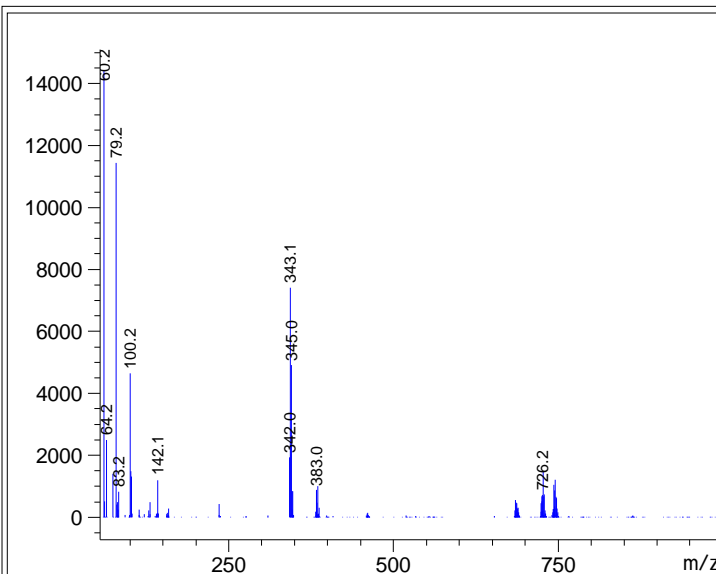
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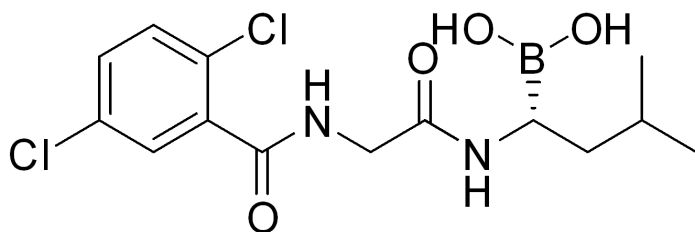
Injection Date : 18 Jan 16 11:23 am +0800
Sample Name : A
Acq. Operator : 8

Seq. Line : 0

Ixazomib (MLN-2238) MS analysis



MedKoo Cat#: 205857
Name: Ixazomib (MLN-2238)
CAS#: 1072833-77-2
Lot# CRB60119
Chemical Formula: C₁₄H₁₉BCl₂N₂O₄
Exact Mass: 360.08149
Molecular Weight: 361.03



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