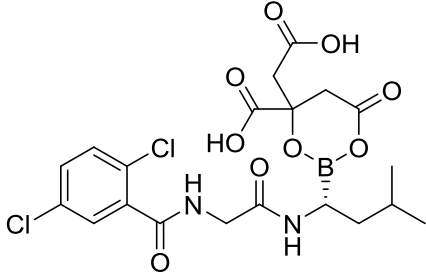




Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#:
205541	MLN9708	T9Z04C15

Chemical name	
4-(carboxymethyl)-2-((R)-1-(2-(2,5-dichlorobenzamido)acetamido)-3-methylbutyl)-6-oxo-1,3,2-dioxaborinane-4-carboxylic acid	
Synonyms	
MLN9708; MLN-9708; MLN 9708; ixazomib citrate. MMLN-2238-prodrug. Ixazomib-prodrug; Ninlaro	
Chemical structure	CAS# and Theoretical analysis
	MedKoo Cat#: 205541 Name: MLN9708 CAS#: 1239908-20-3 (citrate) Lot#: T9Z04C15 Chemical Formula: C ₂₀ H ₂₃ BCl ₂ N ₂ O ₉ Exact Mass: 516.08737 Molecular Weight: 517.12162

Analysis item	Specifications / Results
Appearance	White to off-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
Shelf life	At least 5 years if properly stored.

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