

Product Name:	Ixazomib Citrate
Product Number:	I030
CAS Number:	1239908-20-3
Molecular Formula:	$C_{20}H_{23}BCl_2N_2O_9$
Molecular Weight:	517.12
Appearance:	White Powder
Source:	Synthetic
Storage Conditions:	2-8°C
Description:	Ixazomib Citrate is a prodrug of ixazomib, a protease inhibitor used as a second-line treatment of multiple myeloma. When in its biologically active form, ixazomib can inhibit angiogenesis and induce apoptosis by activating apoptotic pathways and upregulating tumor-suppressor genes.
Mechanism of Action:	Ixazomib is able to inhibit the chymotrypsin-like proteolytic ($\beta 5$) site of the 20S proteasome, and at higher concentrations inhibit the caspase-like ($\beta 1$) and trypsin-like ($\beta 2$) proteolytic sites.
References:	Offidani, M., Corvatta, L., Caraffa, P., Gentili, S., Maracci, L., & Leoni, P. (2014). An evidence-based review of ixazomib citrate and its potential in the treatment of newly diagnosed multiple myeloma. <i>OncoTargets and Therapy</i> , 1793. doi:10.2147/ott.s49187