

Product Name	: MST-312
Synonyms	: Telomerase Inhibitor IX
Cat No.	: M28357
CAS Number	: 368449-04-1
Molecular Formula	: C ₂₀ H ₁₆ N ₂ O ₆
Formula Weight	: 380.4
Chemical Name	: —
Description	: MST-312 is an inhibitor of telomerase and can be used in studies about cancer, such as multiple myeloma. (In Vitro): In U-266 cells, MST-312 (2 μM) upregulates the pro-apoptotic gene Bax and down-regulates the anti-apoptotic gene Bcl-2 and suppresses the expression of c-Myc and hTERT genes. MST-312 (2-8 μM) reduces cellular viability in a dose dependent and time-dependent manner. MST-312 (2-8 μM) induces cell apoptosis in a dose-dependent manner.
Pathway	: Cell Cycle/DNA Damage
Target	: Telomerase
Receptor	: E3 Ligase Ligand-Linker Conjugate
Solubility	: —
SMILES	: <chem>Oc1cccc(C(=O)Nc2cccc(NC(=O)c3cccc(O)c3O)c2)c1O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Qiu X, et al. Jiang B. Chemoselective Synthesis of Lenalidomide-Based PROTAC Library Using Alkylation Reaction. Org Lett. 2019;21(10):3838-3841.