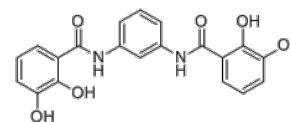


Product Name : MST-312
Cat. No. : PC-63056
CAS No. : 368449-04-1
Molecular Formula : C₂₀H₁₆N₂O₆
Molecular Weight : 380.35
Target : Telomerase
Solubility : 10 mM in DMSO



Biological Activity

MST-312 (Telomerase Inhibitor IX) is a potent, reversible **telomerase** inhibitor that effectively reduces telomere length and inhibits proliferation in U937 cells at 1 μ M.

MST-312 exerts a dose-dependent short-term cytotoxic effect on APL cells, with G2/M cell cycle arrest, and induces apoptosis of APL cells in caspase-mediated manner.

MST-312 also suppresses HSV replication at multiple steps of viral infection.

References

Seimiya H, et al. *Cancer Cell*. 2005 Jan;7(1):25-37.

Fatemi A, et al. *Tumour Biol*. 2015 Nov;36(11):8425-37.

Haberichter J, et al. *J Virol*. 2015 Oct;89(19):9804-16.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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