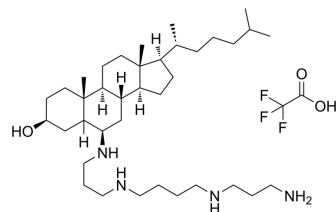


Claramine TFA

Cat. No.:	HY-160791A
CAS No.:	3030428-57-7
Molecular Formula:	C ₃₉ H ₇₃ F ₃ N ₄ O ₃
Molecular Weight:	703.02
Target:	Others
Pathway:	Others
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



BIOLOGICAL ACTIVITY

Description	Claramine TFA is a steroidal polyamine. Claramine TFA can regulate the properties of lipid membranes and protect cells from various biological toxins, including misfolded protein oligomers and toxins derived from biological proteins ^[1] .
In Vitro	Claramine (2-20 µM; 20 h) does not affect cell viability in human neuroblastoma cells (SH-SY5Y) at concentrations below 10 µM. Similarly, Claramine (2-20 µM; 20 h) does not impact cell activity in HEK293 cells ^[1] . Claramine (2.5-10 µM; 20 h) protects human neuroblastoma (SH-SY5Y) cells from the harmful effects of pore-forming agents, melittin (HY-P0233) (4 µM; 20 h) and α-hemolysin (50 µg/mL; 20 h), by inhibiting their binding to cell membranes ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kreiser RP, et al. A Brain-Permeable Aminosterol Regulates Cell Membranes to Mitigate the Toxicity of Diverse Pore-Forming Agents. ACS Chem Neurosci. 2022;13(8):1219-1231.

Caution: Product has not been fully validated for medical applications. For research use only.

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