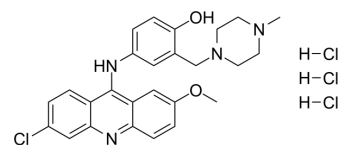


HM03 trihydrochloride

Cat. No.:	HY-125974A
CAS No.:	1082532-95-3
Molecular Formula:	C ₂₆ H ₃₀ Cl ₄ N ₄ O ₂
Molecular Weight:	572.35
Target:	HSP
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	HM03 trihydrochloride is a potent and selective HSPA5 (Heat shock 70kDa protein 5, also known as Bip, Grp78) inhibitor. HM03 trihydrochloride has anticancer activity ^[1] .
In Vitro	HM03 trihydrochloride (0.1-50 μM; 72 hours) exhibits over 50% inhibition at 25 μM concentration in HCT116 cells ^[1] . HM03 trihydrochloride forms more binding interactions with HSPA5 and HSPA9 than with the other HSP70 proteins ^[1] . HM03 trihydrochloride exhibits promising inhibition activities from cancer cell viability and tumor inhibition assays ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Huang M, et al. Structure-based design of HSPA5 inhibitors: from peptide to small molecule inhibitors. *Bioorg Med Chem Lett*. 2013;23(10):3044-3050.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA