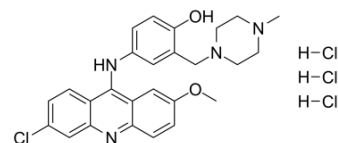


## HM03 trihydrochloride

Cat. No.:	HY-125974A
CAS No.:	1082532-95-3
Molecular Formula:	C <sub>26</sub> H <sub>30</sub> Cl <sub>4</sub> N <sub>4</sub> O <sub>2</sub>
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 COA.



### BIOLOGICAL ACTIVITY

<b>Description</b>	HM03 trihydrochloride is a potent and selective <b>HSPA5</b> (Heat shock 70kDa protein 5, also known as Bip, Grp78) inhibitor. HM03 trihydrochloride has anticancer activity <sup>[1]</sup> .
<b>In Vitro</b>	HM03 trihydrochloride (0.1-50 μM; 72 hours) exhibits over 50% inhibition at 25 μM concentration in HCT116 cells <sup>[1]</sup> . HM03 trihydrochloride forms more binding interactions with HSPA5 and HSPA9 than with the other HSP70 proteins <sup>[1]</sup> . HM03 trihydrochloride exhibits promising inhibition activities from cancer cell viability and tumor inhibition assays <sup>[1]</sup> .

### 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.**

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