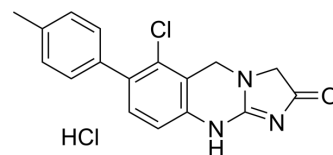


## Antitumor agent-100 hydrochloride

Cat. No.:	HY-153802A
CAS No.:	2841750-53-4
Molecular Formula:	C <sub>17</sub> H <sub>15</sub> Cl <sub>2</sub> N <sub>3</sub> O
Molecular Weight:	348.23
Target:	Apoptosis; Phosphodiesterase (PDE)
Pathway:	Apoptosis; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Antitumor agent-100 (compound A6) hydrochloride is an orally potent apoptosis inducer and molecular gel targeting PDE3A-SLFN12 (IC <sub>50</sub> : 0.3 μM) with antitumor activity. Antitumor agent-100 hydrochloride binds to the PDE3A enzyme pocket to recruit and stabilize SLFN12, thereby preventing protein translation and leading to apoptosis <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC50: 0.3 μM (PDE3A-SLFN12) <sup>[1]</sup>

### REFERENCES

[1]. Jie Chen, et al. Structure of PDE3A-SLFN12 complex and structure-based design for a potent apoptosis inducer of tumor cells. Nat Commun. 2021 Oct 27;12(1):6204.

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

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