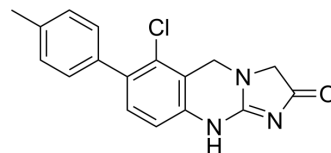


## Antitumor agent-100

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-153802   |
| CAS No.:           | 2841750-32-9  |
| Molecular Formula: | C <sub>17</sub> H <sub>14</sub> ClN <sub>3</sub> O  |
| Molecular Weight:  | 311.77  |
| 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) is an orally available apoptosis inducer and molecular gel targeting PDE3A-SLFN12 (IC <sub>50</sub> : 0.3 μM) with antitumor activity. Antitumor agent-100 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 | IC <sub>50</sub> : 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.**

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