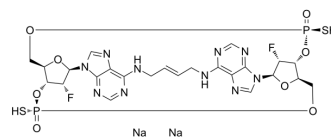


## E7766 disodium

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-111999B  |
| CAS No.:           | 2242636-28-6  |
| Molecular Formula: | C <sub>24</sub> H <sub>26</sub> F <sub>2</sub> N <sub>10</sub> Na <sub>2</sub> O <sub>8</sub> P <sub>2</sub> S <sub>2</sub> |
| Molecular Weight:  | 792.58  |
| Target:            | STING   |
| Pathway:           | Immunology/Inflammation   |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis.                                   |



### BIOLOGICAL ACTIVITY

|                    |  |
|--------------------|--|
| <b>Description</b> | E7766 disodium is a macrocycle-bridged STING agonist with a K <sub>d</sub> of 40 nM. E7766 disodium shows potent pan-genotypic and antitumor activities <sup>[1]</sup> .   |
| <b>In Vitro</b>    | E7766 disodium inhibits four human STING variants, human wild-type, HAQ, AQ and REF STING proteins, with EC <sub>50</sub> values of 1 μM, 2.2 μM, 1.2 μM and 4.9 μM, respectively <sup>[1]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only.  |
| <b>In Vivo</b>     | In murine colon cancer model, a single intratumoral injection of 10 mg/kg E7766 disodium in the subcutaneous tumor. E7766 disodium is shown to have potent antitumor activity with long lasting immune memory response in a mouse liver metastatic tumor model <sup>[1]</sup> .<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

### REFERENCES

[1]. Dae-Shik Kim, et al. E7766, a Macrocycle-Bridged Stimulator of Interferon Genes (STING) Agonist with Potent Pan-Genotypic Activity. ChemMedChem. 2021 Jun 7;16(11):1740-1743.

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

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