
Product Data Sheet

Product Name: E7766 disodium

Cat. No.: GC62609

Chemical Properties

Cas. No. 2242636-28-6

Formula $C_{24}H_{26}F_2N_{10}Na_2O_8P_2S_2$

M.Wt 792.58

Solubility

Storage

Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

E7766 disodium is a macrocycle-bridged STING agonist with a K_d of 40 nM. E7766 disodium shows potent pan-genotypic and antitumor activities[1].

E7766 disodium inhibits four human STING variants, human wild-type, HAQ, AQ and REF STING proteins, with EC_{50} values of 1 μ M, 2.2 μ M, 1.2 μ M and 4.9 μ M, respectively[1].

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[1].

[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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