

Product Data Sheet

Product Name: Enpp-1-IN-14

Cat. No.: GC66042

Chemical Properties

Cas. No. 2687222-59-7

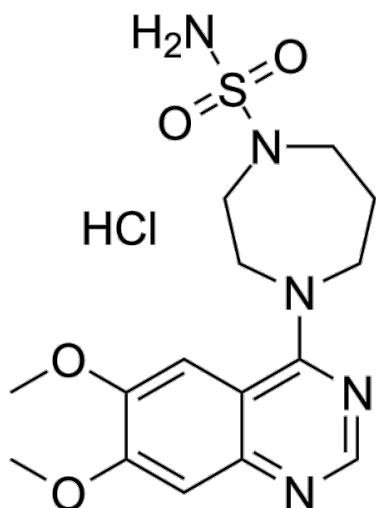
Formula $C_{15}H_{22}ClN_5O_4S$ M.Wt 403.88

Solubility DMSO : 9.62 mg/mL (23.82 mM; Need ultrasonic) 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

ENPP1-IN-2 is a potent **Ectonucleotide Pyrophosphatase/Phosphodiesterase-1 (ENPP1)** inhibitor with an **IC₅₀** value of 32.38 nM for recombinant human ENPP-1. ENPP1-IN-2 has anti-tumor activity^[1].

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

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ENPP1-IN-2 (compound 015) (50 mg/kg; IP; BID, for 31 days) significantly inhibits tumor growth [1].

Animal Model: Female C57BL/6 mice (4-6 weeks; implanted subcutaneously with 2×10^5 MC38 cells)[1]
Dosage: 50 mg/kg
Administration: IP; BID, for 31 days (given a single 10 Gy exposure of focal radiation to the tumor site)
Result: Significantly inhibited tumor growth.

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