

Product Data Sheet

Product Name: HW201877 enantiomer

Cat. No.: GC80486

Chemical Properties

Cas. No. 2927452-82-0

Formula $C_{22}H_{22}F_2N_6O_2$

M.Wt 440.45

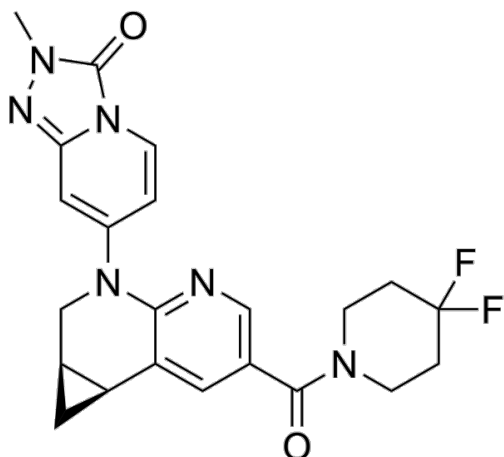
Solubility

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

HW201877 enantiomer is the enantiomer of HW201877 and is 15-hydroxyprostaglandin dehydrogenase (15-PGDH) inhibitor with an IC_{50} of 12.2 nM. HW201877 enantiomer can be used for the research of inflammatory bowel disease, idiopathic pulmonary fibrosis, ulcerative colitis, and Crohn's disease [1].

In Vitro, HW201877 enantiomer (Compound 25 A) exhibits an IC_{50} of 12.2 nM against 15-PGDH [1].

HW201877 enantiomer dose not elevate prostaglandin E2 (PGE2) levels in A549 cells [1].

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

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References:

[1]. Li Q, et al. Discovery of HW201877: A Highly Potent and Orally Bioavailable Inhibitor of 15-Prostaglandin Dehydrogenase to Potentiate Tissue Repair and Regeneration. J Med Chem. 2025;68(13):14099-14113.

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