

Product Data Sheet

Product Name: Iptocigistat

Cat. No.: GC79366

Chemical Properties

Cas. No. 3047739-67-0

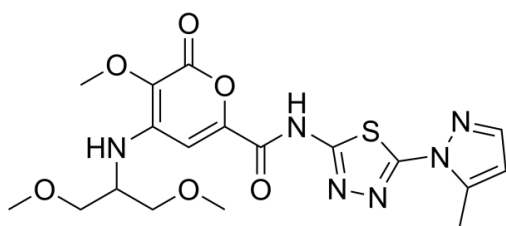
Formula $C_{18}H_{22}N_6O_6S$ M.Wt 450.47

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

Iptocigistat (Iptocigistatum) is a cyclic GMP-AMP synthase (cGAS) inhibitor. Iptocigistat prevents excessive immune responses. Iptocigistat can be used to study inflammation-related autoimmune diseases [1].

In Vitro, Iptocigistat (Compound 10) inhibits the activity of human guanylate-adenylate cyclase in a cell-free Kinase-Glo assay, with an IC_{50} ranging from $\geq 0.005 \mu M$ to $< 0.02 \mu M$ [1]. Iptocigistat inhibits the activity of human guanylate-adenylate synthase in cell-free LCMS assays, with an IC_{50} of ≥ 0.005

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

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μM and $<0.02 \mu\text{M}$ ^[1].

References:

[1]. Ramsay Beveridge, et al. Thiadiazole derivatives as inhibitors of cyclic gmp-amp synthase and uses thereof. WO2024137607A1. 2025-06-20

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