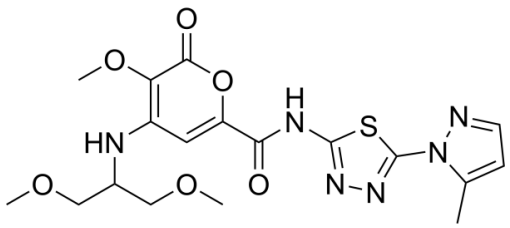
Product Data Sheet

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 ≥0.005 μM to <0.02 μM [1]. Iptocigistat inhibits the activity of human guanylate-adenylate synthase in cell-free LCMS assays, with an IC_{50} of ≥0.005

μM and <0.02 μM[1].

References:

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