
Product Data Sheet

Product Name: 5J 4
Cat. No.: GC50179

Chemical Properties

Cas. No. 827001-82-1

SMILES OC1=CC2=C(C=C1)C(NC(NC(C3=CC=CO3)=O)=S)=CC=C2

Formula $C_{16}H_{12}N_2O_3S$ M.Wt 312.34

Solubility Soluble in DMSO 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

Calcium release-activated calcium (CRAC) channel blocker. Blocks store-operated calcium entry (SOCE) in HeLa-O+S cells and Th17 cells in vitro. Ameliorates symptoms and reduces CNS infiltration by mononuclear cells in a mouse model of experimental autoimmune encephalomyelitis (EAE) in vivo.

Kim et al (2014) Calcium signaling via Orai1 is essential for induction of the nuclear orphan receptor pathway to drive Th17 differentiation. J.Immunol. 192 110
PMID:24307733

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

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