
Product Data Sheet

Product Name: BTD
Cat. No.: GC50617

Chemical Properties

Cas. No. 896684-04-1

SMILES CC1=CC=C2C(NC(CCC(=O)NCCCOC34CC5CC(CC(C5)C3)C4)=N[S](=O)=O)=C1

Formula $C_{24}H_{33}N_3O_4S$ M.Wt 459.61

Solubility DMSO : 100 mg/mL (217.58 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

Selective TRPC5 activator (EC50 = 1.4 μ M in a calcium influx assay, 1.3 μ M in whole cell patch clamp assay). Displays >14.5-fold selectivity for TRPC5 over other TRP channels (EC50 = 20.6 μ M for TRPM8). Also activates TRPC1:5 and TRPC4:5 heteromers.

Beckmann et al (2017) A benzothiadiazine derivative and methylprednisolone are novel and selective activators of transient receptor potential canonical 5 (TRPC5) channels. Cell Calcium. 66 10 PMID:28807145

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

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