

Product Data Sheet

Product Name: BTD
Cat. No.: GC50617

Chemical Properties

Cas. No. 896684-04-1

SMILES CC1=CC=C2C(NC(CCC(=O)NCCCCOC34CC5CC(CC(C5)C3)C4)=N[S]2(=O)=O)=C1

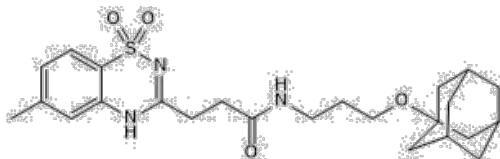
Formula C₂₄H₃₃N₃O₄S M.Wt 459.61

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 μM in a calcium influx assay, 1.3 μM in whole cell patch clamp assay). Displays >14.5-fold selectivity for TRPC5 over other TRP channels (EC₅₀ = 20.6 μM 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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA