
Product Data Sheet

Product Name: TRPC6-PAM-C20

Cat. No.: GC50590

Chemical Properties

Cas. No. 667427-75-0

SMILES COC1=C(OC)C=C2C(CC(C)(C)N=C2C2=CC3=CC=CC=C3OC2=O)=C1

Formula $C_{22}H_{21}NO_4$ M.Wt 363.41

Solubility DMSO : 33.33 mg/mL (91.71 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 TRPC6 positive allosteric modulator. Selectively activates TRPC6 over other TRP channels. Also activates TRPA1. Induces transient increase in intracellular Ca^{2+} in HEK cells expressing TRPC6 ($EC_{50} = 2.37 \mu M$). Potentiates OAG (1-oleoyl-1-acetyl-sn-glycerol)-induced Ca^{2+} influx in human platelets, and enhances OAG-induced platelet aggregation.

Häfner et al (2019) Discovery and characterization of a positive allosteric modulator of transient receptor potential canonical 6 (TRPC6) channels. Cell Calcium 78 26
PMID:30594060

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