

Product Data Sheet

Product Name: SGC AAK1 1

Cat. No.: GC50487

Chemical Properties

Cas. No. 2247894-32-0

SMILES O=C(NC1=NNC2=C1C=CC(C3=CC=CC(NS(=O)(N(CC)CC)=O)=C3)=C2)C4CC4

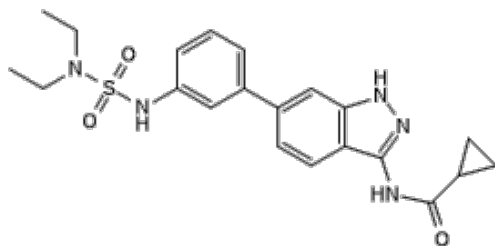
Formula $C_{21}H_{25}N_5O_3S$ M.Wt 427.52

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

Adaptor-associated protein kinase 1 (AAK1) and BMP-2-inducible protein kinase (BMP2K) inhibitor (IC₅₀ values are 233 nM and 1.48 μM for AAK1 and BMP2K, respectively). Inhibits AAK1-dependent phosphorylation of AP2M1. Activates Wnt signaling.

Agajanian et al (2018) AAK1 inhibits WNT signaling by promoting clathrin-mediated endocytosis of LRP6. View pre-publication manuscript.

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