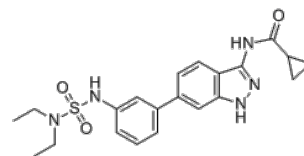


Product Name : SGC-AAK1-1
Cat. No. : PC-35853
CAS No. : 2247894-32-0
Molecular Formula : C₂₁H₂₅N₅O₃S
Molecular Weight : 427.523
Target : AP2-associated Kinase 1 (AAK1)
Solubility : 10 mM in DMSO



1. Agajanian MJ, et al. *Cell Rep.* 2019 Jan 2;26(1):79-93.e8.

Biological Activity

AAK1 inhibitor 1 (SGC-AAK1-1) is a potent, selective inhibitor of **AAK1** and **BMP2K/BIKE** ((BMP-2 inducible kinase)) that potently targets the ATP-binding site (AAK1 Ki =9.1 nM, BIKE Ki= 17 nM).

SGC-AAK1-1 displays excellent kinase selectivity, only three kinases (RIOK1 KD=72 nM, RIOK3 KD=290 nM, and PIP5K1C KD=260 nM) were observed to bind SGC-AAK1-1 within 30-fold of the KD of AAK1 in a KINOMEScan assay.

SGC-AAK1-1 has potency for ectopically expressed full-length AAK1- and BIKE-Nluc fusion proteins (AAK1 IC₅₀=230 nM; BIKE IC₅₀=1.5 μM) in a live cell NanoBRET assay.

References

