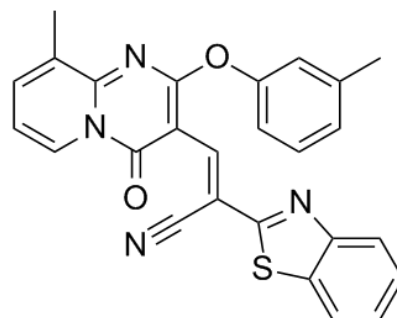


Product Name : CCG-63802
Cat. No. : PC-45955
CAS No. : 620112-78-9
Molecular Formula : C₂₆H₁₈N₄O₂S
Molecular Weight : 450.5117
Target : Regulators of G protein signaling (RGS)
Solubility : 10 mM in DMSO



Biological Activity

CCG-63802 is a reversible, allosteric inhibitor of regulator of G-protein signaling (**RGS**) proteins with a potency order of RGS4 > 19 = 16 > 8 >> 7.

CCG-63802 inhibits the Gαo-RGS4 interaction with IC₅₀ of 1.9 μM, does not inhibit Gα binding to RGS7, 2- to 10-fold more potent at RGS4 than on the other closely related R4 family members, RGS8 and RGS16.

CCG-63802 decreases neuropathic hyperalgesia and restores cannabinoid CB1 receptor signalling in PSNL rats.

References

Blazer LL, et al. *Mol Pharmacol*. 2010 Sep;78(3):524-33.

Bosier B, et al. *Br J Pharmacol*. 2015 Nov;172(22):5333-46.

Dobrivojević M, et al. *Am J Physiol Cell Physiol*. 2012 Dec 15;303(12):C1260-8.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com