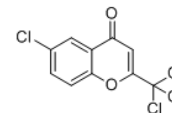


Product Name : ST034307
Cat. No. : PC-70041
CAS No. : 133406-29-8
Molecular Formula : C₁₀H₄Cl₄O₂
Molecular Weight : 297.95
Target : Adenylate Cyclase
Solubility : 10 mM in DMSO



Biological Activity

ST034307 (ST 034307, ST-034307) is a potent, selective **adenylyl cyclase 1 (AC1)** with IC₅₀ of 2.3 μM.

ST034307 shows no activity against other AC isoforms.

ST034307 inhibits Ca²⁺-stimulated cAMP accumulation in HEK cells, also inhibits AC1 activity stimulated by forskolin- and G_{αs}-coupled receptors in HEK-AC1 cells.

ST034307 reduces pain responses in a mouse model of inflammatory pain.

References

Brust TF, et al. *Sci Signal*. 2017 Feb 21;10(467). pii: eaah5381.

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

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