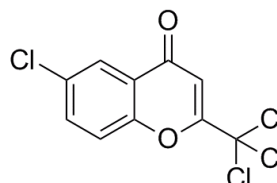


Product Name : ST-034307
Synonyms : ST 034307;ST034307
Cat No. : M11327
CAS Number : 133406-29-8
Molecular Formula : C₁₀H₄Cl₄O₂
Formula Weight : 297.95
Chemical Name : 6-chloro-2-(trichloromethyl)-4H-chromen-4-one



Description : ST-034307 (ST 034307, ST034307) is a potent, selective adenylyl cyclase 1 (AC1) with IC₅₀ of 2.3 μM; shows no activity against other AC isoforms; inhibits Ca²⁺-stimulated cAMP accumulation in HEK cells, also inhibits AC1 activity stimulated by forskolin- and Gαs-coupled receptors in HEK-AC1 cells; reduces pain responses in a mouse model of inflammatory pain.

Pathway : Metabolic Enzyme/Protease

Target : Adenylate Cyclase

Receptor : Adenylate Cyclase

Solubility : DMSO : 50 mg/mL 167.81 mM

SMILES : O=C1C=C(C(Cl)(Cl)Cl)OC2=C1C=C(Cl)C=C2

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

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