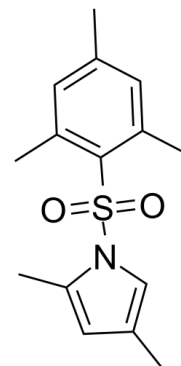


Data Sheet

Product Name:	HJC0350
Cat. No.:	CS-6510
CAS No.:	885434-70-8
Molecular Formula:	C ₁₅ H ₁₉ NO ₂ S
Molecular Weight:	277.38
Target:	Others
Pathway:	Others
Solubility:	DMSO : 33.33 mg/mL (120.16 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

HJC0350 is a potent and specific **EPAC2** antagonist with an **IC₅₀** of 0.3 μ M. IC₅₀ & Target: IC₅₀: 0.3 μ M (EPAC2)^[1] **In Vitro**: HJC0350 has an apparent IC₅₀ value of 0.3 μ M for competing with 8-NBD-cAMP binding of EPAC2, and is about 133-fold more potent than cAMP. HJC0350 is found not to inhibit EPAC1-mediated Rap1-GDP exchange activity at 25 μ M in the presence of equal concentration of cAMP, indicating that it is EPAC2-specific antagonists. Pretreatment of HEK293/EPAC2-FL cells with 10 μ M HJC0350 fully blocks the 007-AM induced decrease of FRET^[1].

References:

[1]. Chen H, et al. Identification and characterization of small molecules as potent and specific EPAC2 antagonists. J Med Chem. 2013 Feb 14;56(3):952-62.

CAIndexNames:

1H-Pyrrole, 2,4-dimethyl-1-[(2,4,6-trimethylphenyl)sulfonyl]-

SMILES:

O=S(N1C(C)=CC(C)=C1)(C2=C(C)C=C(C)C=C2C)=O

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 732-484-9848 Fax: 888-484-5008 E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA