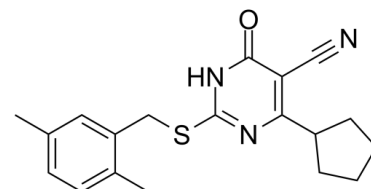


Data Sheet

Product Name:	HJC0197
Cat. No.:	CS-0068716
CAS No.:	1383539-73-8
Molecular Formula:	C ₁₉ H ₂₁ N ₃ OS
Molecular Weight:	339.45
Target:	Ras
Pathway:	GPCR/G Protein
Solubility:	DMSO : 50 mg/mL (147.30 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

HJC0197 is a potent **Epac1** (exchange protein directly activated by cAMP 1) and **Epac2** (**IC₅₀**=5.9 μM for Epac2) antagonist. HJC0197 selectively blocks cAMP-induced Epac activation. HJC0197 inhibits Epac1-mediated Rap1-GDP exchange activity at 25 μM in the presence of equal concentration of cAMP^[1]. **In Vitro:** HJC0197 (25 μM) also inhibits Epac1-mediated Rap1-GDP exchange activity at 25 μM in the presence of equal concentration of cAMP^[1]

References:

[1]. Chen H, et al. 5-Cyano-6-oxo-1,6-dihydro-pyrimidines as potent antagonists targeting exchange proteins directly activated by cAMP. *Bioorg Med Chem Lett.* 2012 Jun 15;22(12):4038-43.

CAIndexNames:

5-Pyrimidinecarbonitrile, 4-cyclopentyl-2-[[[(2,5-dimethylphenyl)methyl]thio]-1,6-dihydro-6-oxo-

SMILES:

N#CC1=C(C2CCCC2)N=C(SCC3=CC(C)=CC=C3C)NC1=O

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

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