GSK-F1

Cat. No.: HY-100603

CAS No.: 1402345-92-9

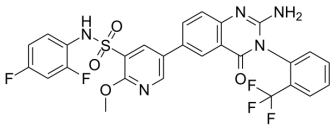
Molecular Formula: $C_{27}H_{18}F_5N_5O_4S$

Molecular Weight: 603.52

Target: PI4K; PI3K

Pathway: PI3K/Akt/mTOR

Storage: -20°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (207.12 mM; Need ultrasonic)

Preparing Stock Solutions	Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
	1 mM	1.6569 mL	8.2847 mL	16.5695 mL
	5 mM	0.3314 mL	1.6569 mL	3.3139 mL
	10 mM	0.1657 mL	0.8285 mL	1.6569 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

GSK-F1 (Compound F1) is an orally active PI4KA inhibitor with pIC_{50} values of 8.0, 5.9, 5.8, 5.9, 5.9 and 6.4 against PI4KA, PI4KB, PI3KA, PI3KB, PI3KG and PI3KD, respectively. GSK-F1 can be used for HCV infection research[1].

IC_{50} & Target

PI4KA 8.0 (pIC_{50})	PI3KD 6.4 (pIC_{50})	PI4KB 5.9 (pIC_{50})	PI3KB 5.9 (pIC_{50})
PI3KG 5.9 (pIC_{50})	PI3KA 5.8 (pIC_{50})		

REFERENCES

[1]. Bojjireddy N, et al. Pharmacological and genetic targeting of the PI4KA enzyme reveals its important role in maintaining plasma membrane phosphatidylinositol 4-phosphate and phosphatidylinositol 4,5-bisphosphate levels. J Biol Chem. 2014 Feb 28;289(9):6120-32.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA