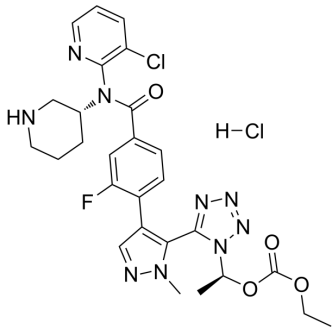
PF-06815345 hydrochloride

Cat. No.:	HY-112598A
CAS No.:	2334434-49-8
Molecular Formula:	$C_{27}H_{30}Cl_2FN_9O_4$
Molecular Weight:	634.49
Target:	Ser/Thr Protease
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (78.80 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.5761 mL	7.8803 mL	15.7607 mL
	5 mM	0.3152 mL	1.5761 mL	3.1521 mL
	10 mM	0.1576 mL	0.7880 mL	1.5761 mL

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

BIOLOGICAL ACTIVITY

Description

PF-06815345 hydrochloride is an orally active and potent inhibitor of proprotein convertase subtilisin/kexin type 9 (PCSK9) with an IC_{50} value of 13.4 μM. PF-06815345 hydrochloride significantly decreases the PCSK9 level in vivo in mouse[1][2].

In Vitro

PF-06815345 hydrochloride (Example 7) (1-30 μM; 5-1440 min) in human enterocyte and hepatocyte with CL_{int} values of <82.9 μL/min/mg and 97.6 μL/min/mg, respectively[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

PF-06815345 hydrochloride (Example 7) (100-500 mg/kg; p.o; single dose) lowers the level of PCSK9 in humanized PCSK9 mouse model. It lowers plasma PCSK9 to 72% at 500 mg/kg 4 hr later treatment[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Akin A, et al. Overcoming the Challenges of Making a Single Enantiomer N-1 Substituted Tetrazole Prodrug Using a Tin-Mediated Alkylation and Enzymatic Resolution[J]. Organic Process Research & Development, 2019, 23(6): 1167-1177.

[2]. Darout E, et al. Preparation of substituted amide compounds as PCSK9 inhibitors: Canada, CA2907071 A1 2016-04-08.

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