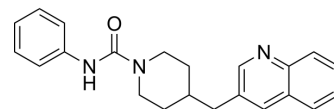


PF 750

Cat. No.:	HY-18081		
CAS No.:	959151-50-9		
Molecular Formula:	C ₂₂ H ₂₃ N ₃ O		
Molecular Weight:	345.44		
Target:	FAAH; Autophagy		
Pathway:	Metabolic Enzyme/Protease; Neuronal Signaling; Autophagy		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (289.49 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8949 mL	14.4743 mL	28.9486 mL
	5 mM	0.5790 mL	2.8949 mL	5.7897 mL
	10 mM	0.2895 mL	1.4474 mL	2.8949 mL

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

BIOLOGICAL ACTIVITY

Description

PF 750 is a selective and covalent fatty acid amide hydrolase (FAAH) inhibitor, with IC₅₀s varied from 16.2-595 nM in different pre-incubation times. Covalently modifies the enzyme's active site serine nucleophile^[1].

IC₅₀ & Target

IC₅₀: 16.2-595 nM (FAAH)^[1].

REFERENCES

[1]. Ahn K, et al. Novel mechanistic class of fatty acid amide hydrolase inhibitors with remarkable selectivity. *Biochemistry*. 2007 Nov 13;46(45):13019-30.

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