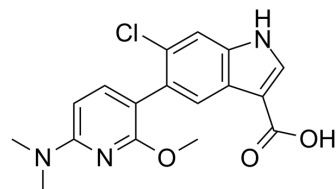


PF-06685249

Cat. No.:	HY-117623		
CAS No.:	1467059-70-6		
Molecular Formula:	C ₁₇ H ₁₆ ClN ₃ O ₃		
Molecular Weight:	345.78		
Target:	AMPK		
Pathway:	Epigenetics; PI3K/Akt/mTOR		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (289.20 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.8920 mL	14.4601 mL	28.9201 mL
	5 mM	0.5784 mL	2.8920 mL	5.7840 mL
	10 mM	0.2892 mL	1.4460 mL	2.8920 mL

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

BIOLOGICAL ACTIVITY

Description

PF-06685249 (PF-249) is a potent and orally active allosteric AMPK activator with an EC₅₀ of 12 nM for recombinant AMPK α1β1γ1. PF-06685249 can be used for diabetic nephropathy research^[1].

IC₅₀ & Target

AMPK α1β1γ1
12 nM (EC50)

REFERENCES

[1]. David J Edmonds, et al. Optimization of Metabolic and Renal Clearance in a Series of Indole Acid Direct Activators of 5'-Adenosine Monophosphate-Activated Protein Kinase (AMPK). J Med Chem. 2018 Mar 22;61(6):2372-2383.

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

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