

PF-739

Chemical Properties

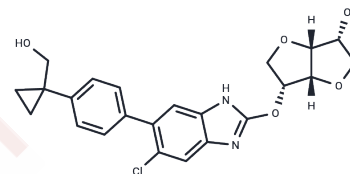
CAS No. : 1852452-14-2

Formula: C₂₃H₂₃ClN₂O₅

Molecular Weight: 442.89

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	PF-739 is an AMPK agonist that has been shown to activate AMPK in hepatocytes and skeletal muscle.
Targets(IC50)	Others,AMPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2579 mL	11.2895 mL	22.579 mL
5 mM	0.4516 mL	2.2579 mL	4.5158 mL
10 mM	0.2258 mL	1.1289 mL	2.2579 mL
50 mM	0.0452 mL	0.2258 mL	0.4516 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Weihrauch M, Handschin C. Pharmacological targeting of exercise adaptations in skeletal muscle: Benefits and pitfalls. *Biochem Pharmacol.* 2018 Jan;147:211-220. doi: 10.1016/j.bcp.2017.10.006. Epub 2017 Oct 20. Review. PubMed PMID: 29061342.

Cokorinos EC, Delmore J, Reyes AR, Albuquerque B, Kjøbsted R, Jørgensen NO, Tran JL, Jatkar A, Cialdea K, Esquejo RM, Meissen J, Calabrese MF, Cordes J, Moccia R, Tess D, Salatto CT, Coskran TM, Opsahl AC, Flynn D, Blatnik M, Li W, Kindt E, Foretz M, Viollet B, Ward J, Kurumbail RG, Kalgutkar AS, Wojtaszewski JFP, Cameron KO, Miller RA. Activation of Skeletal Muscle AMPK Promotes Glucose Disposal and Glucose Lowering in Non-human Primates and Mice. *Cell Metab.* 2017 May 2;25(5):1147-1159.e10. doi: 10.1016/j.cmet.2017.04.010. PubMed PMID: 28467931.

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