Ampkinone Inhibitor

PRODUCT OVERVIEW

Product Name	Ampkinone, Inhibitor
Full Product Name	Ampkinone
Form/Format	Solid. Powder
Purity/Purification	98.00%
Preparation and Storage	Store at -20 degree C for 3 years powder -80 degree C for 2 years in solvent
Molecular Weight	505.52
Solubility	DMSO: 50mg/mL (98.91mM) Need ultrasonic (<1mg/ml refers to the product slightly soluble or insoluble)
Formula	C31H23NO6
SMILES	O=C1N(C2=CC=C(C(C3=CC=CC=C3)=O)C=C2)C(C4=C1C=CC5=C4C(C)(C)OC6=C(O)C(OC)=CC=C65)=O
CAS Number	1233082-79-5
Target & IC50	AMPK
In Vitro	Ampkinone-treated DIO mice significantly reduce total body weight and overall fat mass. Ampkinone effectively improves metabolic abnormalities in the DIO mice model.
Product Categories/Family for Ampkinone, inhibitor	PI3K/Akt/mTOR signaling; AMPK
Related Product Information for Ampkinone, inhibitor	MBS5752688 is an inhibitor targeting Ampkinone. Ampkinone is an indirect AMPK activator.
Product References and Citations for Ampkinone, inhibitor	Oh S, et al. Antidiabetic and antiobesity effects of Ampkinone (6f), a novel small molecule activator of AMP-activated protein kinase. J Med Chem. 2010 Oct 28;53(20):7405-13. Oh S, et al. Antidiabetic and antiobesity effects of Ampkinone (6f), a novel small molecule activator of AMP-activated protein kinase. J Med Chem. 2010 Oct 28;53(20):7405-13.
Other Notes	Small volumes of Ampkinone, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

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Online datasheet: https://www.mybiosource.com/inhibitor/ampkinone/5752688