

Ampkinone

Catalog No: tcsc4215



Available Sizes

Size: 2mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

1233082-79-5

Formula:

$C_{31}H_{23}NO_6$

Pathway:

Epigenetics;PI3K/Akt/mTOR

Target:

AMPK;AMPK

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

505.52

Product Description

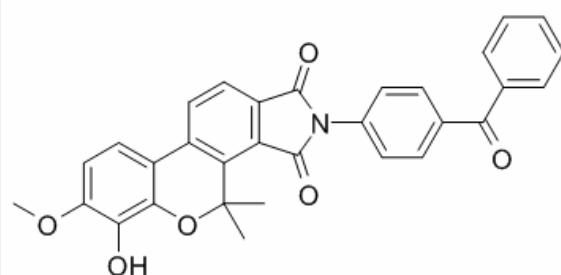
Ampkinone is an indirect AMP-activated protein kinase (**AMPK**) activator.

IC50 & Target: AMPK^[1]

In Vitro:

Ampkinone stimulates the phosphorylation of AMPK via the indirect activation of AMPK in various cell lines. Ampkinone-mediated activation of AMPK requires the activity of LKB1 and results in increased glucose uptake in muscle cells^[1].

In Vivo: Ampkinone-treated DIO mice significantly reduce total body weight and overall fat mass. Histological examination and measurement of lipid parameters show that Ampkinone effectively improves metabolic abnormalities in the DIO mice model^[1].



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