

YLF-466D

Catalog No: tcsc2118



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1273323-67-3

Formula:

$C_{29}H_{20}ClNO_3$

Pathway:

Epigenetics;PI3K/Akt/mTOR

Target:

AMPK;AMPK

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

C24

Observed Molecular Weight:

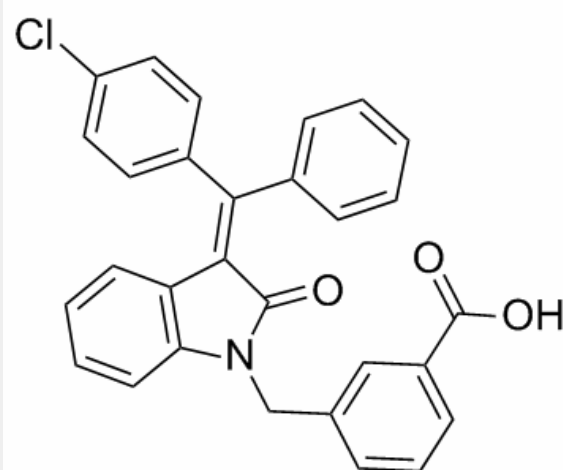
465.93

Product Description

YLF-466D is a newly developed **AMPK** activator, which inhibits platelet aggregation.

IC₅₀ & Target: AMPK^[1]

In Vitro: The effect of YLF-466D on platelet AMPK and aggregation are examined to test whether YLF-466D can stimulate AMPK in platelets and thereby suppress aggregation. Platelet AMPK is activated by YLF-466D, which is confirmed with activation-dependent phosphorylation at Thr172. Consistent with this result, YLF-466D inhibits platelet aggregation induced by thrombin. Such inhibition is observed in the aggregation elicited by ADP and collagen as well as thrombin, indicating that the antiaggregatory effect of YLF-466D is not platelet-agonist specific but common, regardless of agonist type. All the effects on AMPK and aggregation are concentration-dependent with the highest efficacy at 150 μ M. IC₅₀ against thrombin-, ADP- and collagen-induced aggregation are approximately 84, 55 and 87 μ M, respectively^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!