

# FGH10019

Catalog No: tcsc3637



## Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



## Specifications

CAS No:

1046045-61-7

Formula:

$C_{18}H_{19}N_3O_2S_2$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

DMSO :  $\geq 38$  mg/mL (101.74 mM)

Observed Molecular Weight:

373.49

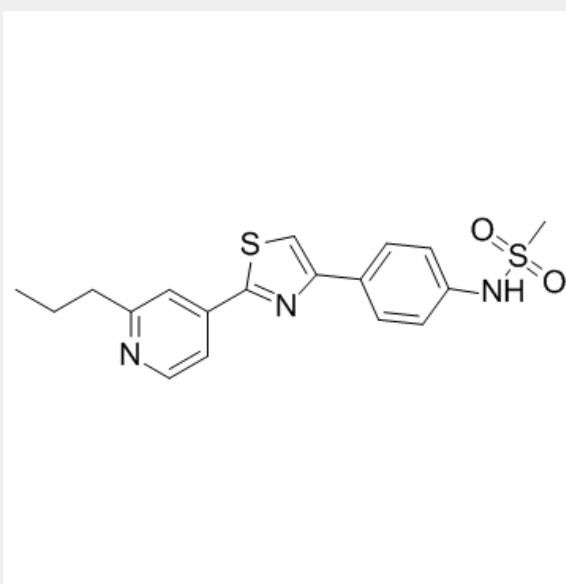
## Product Description

FGH10019 is a novel sterol regulatory element-binding protein (**SREBP**) inhibitor with **IC<sub>50</sub>** of 1  $\mu$ M.

IC50 & Target: IC50: 1  $\mu$ M (SREBP)

***In Vitro:*** Treatment of the CHO-K1 cells with analog FGH10019 decreases the percentage of the mature form of SREBP-2 (68 kDa) at lower concentrations than treatment with fatostatin. Densitometric analysis of the gels indicates that the IC<sub>50</sub> of analog FGH10019 is approximately 1  $\mu$ M, which is 5-10 times lower than the IC<sub>50</sub> of fatostatin (appr 10  $\mu$ M)<sup>[1]</sup>.

***In Vivo:*** FGH10019-treated chow is fed at a dose rate calculated to provide about 0.7 mg analog FGH10019 per day, at about 23 mg/kg body weight, to 5-wk-old male ob/ob mice weighing an average of appr 30 g. After 8 wk on the analog 24-treated chow, the mice gain 8-9 % less weight than control mice<sup>[1]</sup>.



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