

Product Data Sheet

Product Name: ATF3 inducer 1

Cat. No.: GC71184

Chemical Properties

Cas. No. 3038756-30-5

Formula $C_{12}H_{10}N_2O_3$ M.Wt 230.22

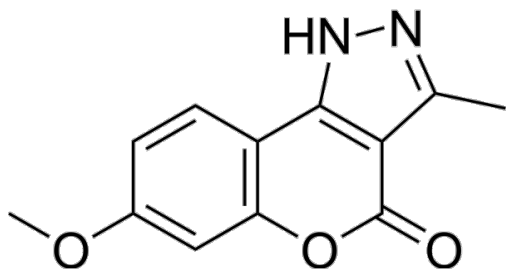
Solubility DMSO : 65 mg/mL (282.34 mM);
Need ultrasonic; Hygroscopic DMSO
has a significant impact on the
solubility of product, please use
newly opened DMSO)

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

ATF3 inducer 1 is a potent ATF3 inducer. ATF3 inducer 1 increases the ATF3 protein and ATF3 mRNA expression. ATF3 inducer 1 shows anti-MetS activity in mouse.

ATF3 inducer 1 (compound 16c) (50 μ M; 8 days) increases the ATF3 protein and ATF3 mRNA

Caution: Product has not been fully validated for medical applications. For research use only.

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expression in 3T3-L1 cells^[1].

ATF3 inducer 1 (40 mg/kg; i.p.; three times a week for 10-weeks) shows anti-MetS (managing metabolic syndrome) activity in mouse^[1].

References:

[1]. Chang YH, et al. Exploration and biological evaluation of 7-methoxy-3-methyl-1H-chromeno[4,3-c]pyrazol-4-one as an activating transcription factor 3 inducer for managing metabolic syndrome. Eur J Med Chem. 2022 Nov 25;246:114951.

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