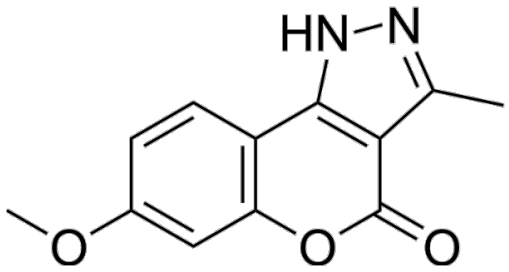
Product Data Sheet

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 μM; 8 days) increases the ATF3 protein and ATF3 mRNA

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.