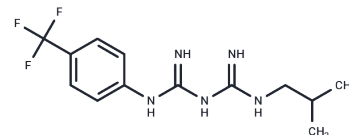


AMPK activator 2

Chemical Properties

CAS No. :	2410961-69-0
Formula:	C ₁₃ H ₁₈ F ₃ N ₅
Molecular Weight:	301.31
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	AMPK activator 2 is a chloroformin derivative with potential anticancer activity, which can up-regulate AMPK signaling pathway and down-regulate mTOR/4EBP1/p70S6K, and inhibit proliferation and migration of human cancer cell lines (UMUC3, T24, A549).
Targets(IC50)	AMPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3188 mL	16.5942 mL	33.1884 mL
5 mM	0.6638 mL	3.3188 mL	6.6377 mL
10 mM	0.3319 mL	1.6594 mL	3.3188 mL
50 mM	0.0664 mL	0.3319 mL	0.6638 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Di Xiao, et al. Synthesis, biological evaluation and anti-proliferative mechanism of fluorine-containing proguanil derivatives. Bioorg Med Chem. 2020 Jan 15;28(2):115258.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481