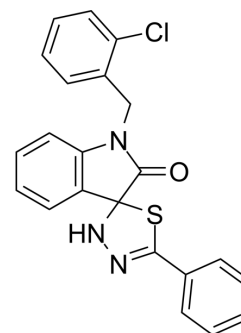


CFM-4

Cat. No.:	HY-103255		
CAS No.:	331458-02-7		
Molecular Formula:	C ₂₂ H ₁₆ ClN ₃ OS		
Molecular Weight:	405.9		
Target:	Apoptosis		
Pathway:	Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (61.59 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.4637 mL	12.3183 mL	24.6366 mL
5 mM	0.4927 mL	2.4637 mL	4.9273 mL
10 mM	0.2464 mL	1.2318 mL	2.4637 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

CFM-4 is a potent small molecular antagonist of CARP-1/APC-2 binding. CFM-4 prevents CARP-1 binding with APC-2, causes G₂M cell cycle arrest, and induces apoptosis with an IC₅₀ range of 10-15 μM. CFM-4 also suppresses growth of drug-resistant human breast cancer cells^[1].

REFERENCES

[1]. Puliappadamba VT, et al. Antagonists of anaphase-promoting complex (APC)-2-cell cycle and apoptosis regulatory protein (CARP)-1 interaction are novel regulators of cell growth and apoptosis. J Biol Chem. 2011 Nov 4;286(44):38000-38017.

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

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