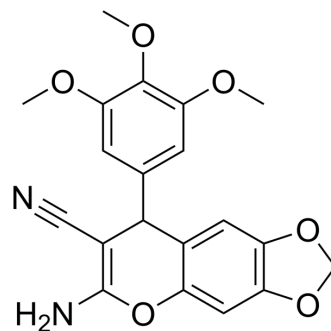


Antiproliferative agent-13

Cat. No.:	HY-128224		
CAS No.:	663214-48-0		
Molecular Formula:	C ₂₀ H ₁₈ N ₂ O ₆		
Molecular Weight:	382.37		
Target:	Others		
Pathway:	Others		
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 : 50 mg/mL (130.76 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6153 mL	13.0763 mL	26.1527 mL
	5 mM	0.5231 mL	2.6153 mL	5.2305 mL
	10 mM	0.2615 mL	1.3076 mL	2.6153 mL

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

BIOLOGICAL ACTIVITY

Description

Antiproliferative agent-13 (compound 16c) shows an antiproliferative activity against human A375 cells with an IC₅₀ value of 32.7 nM. Antiproliferative agent-13 can be used for the research of cancer^[1].

IC₅₀ & Target

IC₅₀: 32.7 nM (A375 cells)^[1]

In Vitro

Antiproliferative agent-13 (0-10 μM; 72 h) affects proliferation of human A375 melanoma cells^[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.
Cell Proliferation Assay^[1]

Cell Line:	A375 melanoma cell line
Concentration:	0-10000 nM
Incubation Time:	72 hours

Result:	Showned an anti-proliferative activity to human A375 melanoma cells with an IC ₅₀ value of 32.7 nM.
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REFERENCES

[1]. Zhang H, et al. Design, synthesis and characterization of potent microtubule inhibitors with dual anti-proliferative and anti-angiogenic activities. Eur J Med Chem. 2018 Sep 5;157:380-396

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

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