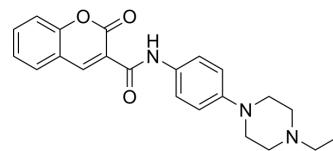


WIC1

Cat. No.:	HY-153580		
CAS No.:	943083-58-7		
Molecular Formula:	C ₂₂ H ₂₃ N ₃ O ₃		
Molecular Weight:	377.44		
Target:	Wnt		
Pathway:	Stem Cell/Wnt		
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 : 1.67 mg/mL (4.42 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6494 mL	13.2471 mL	26.4943 mL
	5 mM	---	---	---
	10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

WIC1 is a potent Wnt inhibitor. WIC1 can be used for the research of cancer^[1].

In Vitro

WIC1 (10 nM, 100 nM, 10 μM, 100 μM) decrease TFC/LEF luciferase reporter activity in BEAS2B cell^[1].

WIC1 (10 nM, 100 nM, 10 μM, 100 μM) shows minimal toxicity. WIC1 (1 μM) displays a significant reduction in ABSC proliferation^[1].

WIC1 decreases mRNA expression of 145 known downstream Wnt signaling target genes such as CCND1, MYC, and CTNNB1^[1].

WIC1 (1 μM) decreases the nuclear localization^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Brigitte N, et al. Compositions and methods for treating cancer and improving epithelial homeostasis. Patent. WO2021133460A1.

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

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