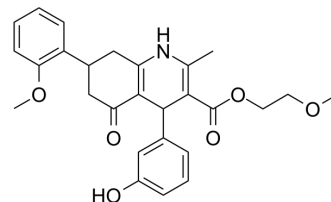


## GLI antagonist-1

Cat. No.:	HY-107551		
CAS No.:	599150-20-6		
Molecular Formula:	C <sub>27</sub> H <sub>29</sub> NO <sub>6</sub>		
Molecular Weight:	463.52		
Target:	Gli		
Pathway:	Stem Cell/Wnt		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



## BIOLOGICAL ACTIVITY

Description	GLI antagonist-1 is a potent GLI antagonist with an IC <sub>50</sub> value of 1.1 μM. GLI antagonist-1 shows anti-proliferative activity. GLI antagonist-1 decreases the GLI1 mRNA expression. GLI antagonist-1 inhibits colony formation in a dose-dependent manner <sup>[1]</sup> .	
IC <sub>50</sub> & Target	IC <sub>50</sub> : 1.1 μM (GLI) <sup>[1]</sup>	
In Vitro	GLI antagonist-1 (compound HPI-1) (0-25 μM; 72 h) shows anti-proliferative activity with IC <sub>50</sub> values of 29, >25, 20.5 μM for SUM149, MDA-MB-231, SUM159 cells, respectively <sup>[1]</sup> .	
	GLI antagonist-1 (10 μM; 72 h) decreases the GLI1 mRNA expression in SUM149 cells <sup>[1]</sup> .	
	GLI antagonist-1 (5, 10, 20 μM) inhibits colony formation in a dose-dependent manner in SUM149 and MDA-MB-231 cells <sup>[1]</sup> .	
	MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Cell Proliferation Assay <sup>[1]</sup>	
	Cell Line:	SUM149, MDA-MB-231, SUM159 cells
	Concentration:	0-25 μM
	Incubation Time:	72 h
	Result:	Showed anti-proliferative activity with IC <sub>50</sub> values of 29, >25, 20.5 μM for SUM149, MDA-MB-231, SUM159 cells, respectively.

## REFERENCES

[1]. Oladapo HO, et al. Pharmacological targeting of GLI1 inhibits proliferation, tumor emboli formation and in vivo tumor growth of inflammatory breast cancer cells. Cancer Lett. 2017 Dec 28;411:136-149.

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

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