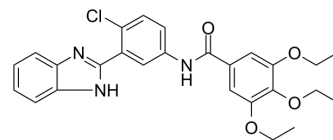


## SANT 2

Cat. No.:	HY-107408		
CAS No.:	329196-48-7		
Molecular Formula:	C <sub>26</sub> H <sub>26</sub> ClN <sub>3</sub> O <sub>4</sub>		
Molecular Weight:	479.96		
Target:	Hedgehog		
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 : 250 mg/mL (520.88 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.0835 mL	10.4175 mL	20.8351 mL
5 mM	0.4167 mL	2.0835 mL	4.1670 mL
10 mM	0.2084 mL	1.0418 mL	2.0835 mL

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

## BIOLOGICAL ACTIVITY

### Description

SANT 2 is a potent antagonist of Hh-signaling pathway. Hedgehog (Hh) signaling plays an important role in cell signaling of embryonic development and adult tissue homeostasis. SANT 2 has the potential for the research of several malignancies including Gorlin syndrome (a disorder predisposing to basal cell carcinoma, medulloblastoma and rhabdomyosarcoma), prostate, pancreatic and breast cancers<sup>[1]</sup>.

## REFERENCES

[1]. Büttner A, et al. Synthesis and biological evaluation of SANT-2 and analogues as inhibitors of the hedgehog signaling pathway. *Bioorg Med Chem.* 2009 Jul 15;17(14):4943-54.

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

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