



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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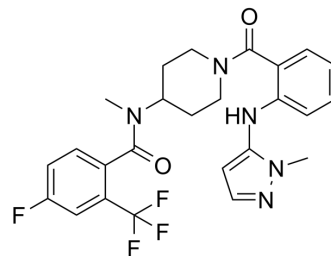
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## SMO-IN-2

Cat. No.:	HY-150564
CAS No.:	1822355-27-0
Molecular Formula:	C <sub>25</sub> H <sub>25</sub> F <sub>4</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	503.49
Target:	Smo; Hedgehog
Pathway:	Stem Cell/Wnt
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 10 mg/mL (19.86 mM); ultrasonic and warming and heat to 60°C						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.9861 mL	9.9307 mL	19.8614 mL
				5 mM	0.3972 mL	1.9861 mL	3.9723 mL
				10 mM	0.1986 mL	0.9931 mL	1.9861 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1 mg/mL (1.99 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	SMO-IN-2 (compound 1) is a potent smoothened (SMO) inhibitor with an IC <sub>50</sub> value of 123.4 nM for hedgehog (Hh) signaling pathway. SMO-IN-2 has antiproliferative activity against human medulloblastoma cell line Daoy. Anticancer activity <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : 123.4 nM (Hh) <sup>[1]</sup>
In Vitro	SMO-IN-2 (compound 1) has antiproliferative activity against human medulloblastoma cell line Daoy with an IC <sub>50</sub> of 0.51 μM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Ji D, et al. Design, synthesis and biological evaluation of anthranilamide derivatives as potent SMO inhibitors. *Bioorg Med Chem*. 2020 Mar 15;28(6):115354.

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

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