



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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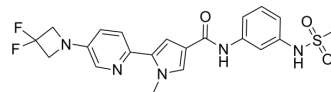
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## DHX9-IN-1

Cat. No.:	HY-156782		
CAS No.:	2973747-89-4		
Molecular Formula:	C <sub>21</sub> H <sub>21</sub> F <sub>2</sub> N <sub>5</sub> O <sub>3</sub> S		
Molecular Weight:	461.48		
Target:	DNA/RNA Synthesis		
Pathway:	Cell Cycle/DNA Damage		
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 : 100 mg/mL (216.69 mM; ultrasonic and warming and heat to 80°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1669 mL	10.8347 mL	21.6694 mL
	5 mM	0.4334 mL	2.1669 mL	4.3339 mL
	10 mM	0.2167 mL	1.0835 mL	2.1669 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: 3.85 mg/mL (8.34 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: 2.5 mg/mL (5.42 mM); Clear solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

DHX9-IN-1 (example 160) is an inhibitor of ATP-dependent RNA helicase A (DHX9), with the IC<sub>50</sub> of 9.45 nM that has antitumor activity<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

9.45 nM (DHX9)<sup>[1]</sup>

### REFERENCES

- [1]. DANIELS Matthew, H, et al. Preparation of N-sulfonamidophenyl carboxamides as inhibitors of RNA helicase DHX9 and uses thereof. World Intellectual Property

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

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