



# 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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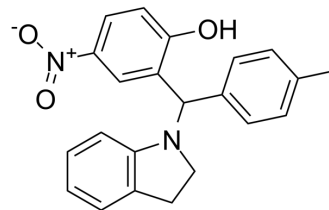
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## HNPMI

Cat. No.:	HY-162148
CAS No.:	1980848-48-3
Molecular Formula:	C <sub>22</sub> H <sub>20</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	360.41
Target:	EGFR
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (277.46 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.7746 mL	13.8731 mL	27.7462 mL
				5 mM	0.5549 mL	2.7746 mL	5.5492 mL
				10 mM	0.2775 mL	1.3873 mL	2.7746 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: ≥ 2.5 mg/mL (6.94 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	HNPMI is an inhibitor of EGFR and has cytotoxic effects on tumor cells. HNPMI can downregulate the protein levels of osteopontin, survivin and cathepsin S, leading to apoptosis. HNPMI also regulates BCL-2/BAX and p53 in CRC cell lines to inhibit tumorigenesis <sup>[1]</sup> .
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### REFERENCES

[1]. Kandhavelu J, et al. A novel EGFR inhibitor, HNPMI, regulates apoptosis and oncogenesis by modulating BCL-2/BAX and p53 in colon cancer. Br J Pharmacol. 2024 Jan;181(1):107-124.

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

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