



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

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

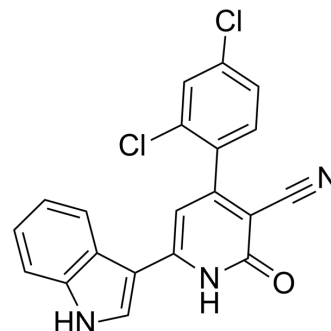
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

MAPK-IN-2

Cat. No.:	HY-155736		
Molecular Formula:	C ₂₀ H ₁₁ Cl ₂ N ₃ O		
Molecular Weight:	380.23		
Target:	p38 MAPK; EGFR; Raf; CDK; c-Met/HGFR		
Pathway:	MAPK/ERK Pathway; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Cell Cycle/DNA Damage		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	MAPK-IN-2 (compound 3h) is a potent MAPK inhibitor with antineoplastic activity. MAPK-IN-2 inhibits cancer cell proliferation among several cancer cell lines, and suppresses MAPK pathway with potent efficacy (EGFR ^{WT} IC ₅₀ =281 nM, c-MET IC ₅₀ =205 nM, B-RAF ^{WT} IC ₅₀ =112 nM, and CDK4/6 IC ₅₀ =95 and 184 nM, respectively). MAPK-IN-2 even shows a remarkable potency against mutated EGFR and B-RAF (EGFR ^{T790M} IC ₅₀ =69 nM and B-RAF ^{V600E} IC ₅₀ =83 nM) ^[1] .
IC₅₀ & Target	IC ₅₀ : 281 nM (EGFR ^{WT}), 69 nM (EGFR ^{T790M}), 205 nM (c-MET), 112 nM (B-RAF ^{WT}), 83 nM (B-RAF ^{V600E}), 95 nM (CDK4), 184 nM (CDK6) ^[1]

REFERENCES

[1]. Saleh MM, et al. The mystery of titan hunter: Rationalized striking of the MAPK pathway via Newly synthesized 6-Indolylpyridone-3-Carbonitrile derivatives. Eur J Med Chem. 2023 Nov 5;259:115675.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA