



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 Handels GmbH

Quellenstraße 110, A-1100 Wien

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

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

mail@szabo-scandic.com

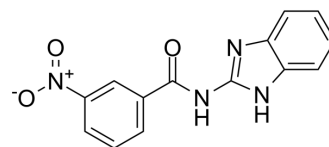
www.szabo-scandic.com

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



IRAK-4 protein kinase inhibitor 2

Cat. No.:	HY-77048
CAS No.:	301675-24-1
Molecular Formula:	C ₁₄ H ₁₀ N ₄ O ₃
Molecular Weight:	282.25
Target:	IRAK
Pathway:	Immunology/Inflammation
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 10 mg/mL (35.43 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		3.5430 mL	17.7148 mL	35.4296 mL
		5 mM		0.7086 mL	3.5430 mL	7.0859 mL
		10 mM		0.3543 mL	1.7715 mL	3.5430 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1 mg/mL (3.54 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	IRAK-4 protein kinase inhibitor 2 (compound 1) is a potent inhibitor of interleukin-1 (IL-1) receptor-associated kinase-4 (IRAK-4), with an IC ₅₀ of 4 μM. IRAK-4 protein kinase inhibitor 2 can be used for the research of inflammatory and immune-related conditions or disorders ^[1] .
IC ₅₀ & Target	IRAK4 4 μM (IC ₅₀)
In Vitro	IRAK-4 protein kinase inhibitor 2 (compound 1) also inhibits IRAK-1, with an IC ₅₀ of <10 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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