



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

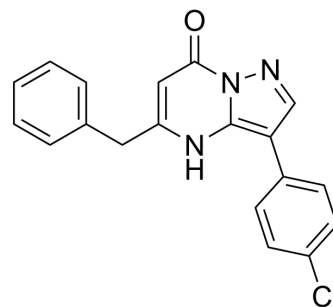
mail@szabo-scandic.com

www.szabo-scandic.com

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

Transketolase-IN-4

Cat. No.: HY-153090
CAS No.: 419547-73-2
Molecular Formula: C₁₉H₁₄ClN₃O
Molecular Weight: 335.79
Target: Bacterial
Pathway: Anti-infection
Storage: 4°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (372.26 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.9781 mL	14.8903 mL	29.7805 mL
	5 mM		0.5956 mL	2.9781 mL	5.9561 mL
	10 mM		0.2978 mL	1.4890 mL	2.9781 mL

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

BIOLOGICAL ACTIVITY

Description

Transketolase-IN-4 is a potent transketolase inhibitor (IC₅₀=3.9 μM). Transketolase-IN-4 inhibits tumor cell proliferation of SW620, LS174T, and MIA PaCa-2. Transketolase-IN-4 is a possible Mycobacterium tuberculosis DXS inhibitor, with an IC₅₀ value of 114.1 μM^{[1][2]}.

IC₅₀ & Target

IC₅₀: 3.9 μM (Transketolase)^[1]; 114.1 μM (Mycobacterium tuberculosis DXS)^[2]

REFERENCES

[1]. Du MX, et al. Identification of novel small-molecule inhibitors for human transketolase by high-throughput screening with fluorescent intensity (FLINT) assay. J Biomol Screen. 2004 Aug;9(5):427-33.

[2]. Mao J, et al. Structure-activity relationships of compounds targeting mycobacterium tuberculosis 1-deoxy-D-xylulose 5-phosphate synthase. Bioorg Med Chem Lett. 2008 Oct 1;18(19):5320-3.

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