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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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

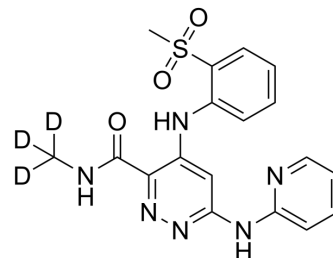
mail@szabo-scandic.com

www.szabo-scandic.com

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

Tyk2-IN-7

Cat. No.:	HY-126242S
CAS No.:	1609391-90-3
Molecular Formula:	C ₁₈ H ₁₅ D ₃ N ₆ O ₃ S
Molecular Weight:	401.46
Target:	JAK
Pathway:	Epigenetics; JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Stem Cell/Wnt
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (249.09 mM; Need ultrasonic)

	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
Preparing Stock Solutions	1 mM		2.4909 mL	12.4545 mL	24.9091 mL
	5 mM		0.4982 mL	2.4909 mL	4.9818 mL
	10 mM		0.2491 mL	1.2455 mL	2.4909 mL

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

BIOLOGICAL ACTIVITY

Description

Tyk2-IN-7 is a TYK2 JH2 inhibitor, binds to TYK2 JH2 domain with IC₅₀ and Ki.app of 0.00053 μM and 0.00007 μM, respectively. Tyk2-IN-7 provides a highly selective alternative to conventional TYK2 orthosteric inhibitors, inhibits TYK2/JAK1/JAK2 kinase domain. Tyk2-IN-7 provides robust inhibition in a mouse IL-12-induced IFNγ pharmacodynamic model as well as efficacy in an IL-23 and IL-12-dependent mouse colitis model[1].

IC₅₀ & Target

Tyk2 JH2 0.00053 μM (IC ₅₀)	Tyk2 JH2 0.00007 μM (Ki app)
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REFERENCES

[1]. Moslin R, et al. Identification of N-Methyl Nicotinamide and N-Methyl Pyridazine-3-Carboxamide Pseudokinase Domain Ligands as Highly Selective Allosteric Inhibitors of Tyrosine Kinase 2 (TYK2). J Med Chem. 2019 Jul 17.

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