



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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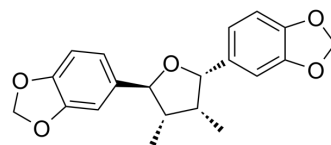
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## (-)-Zuonin A

Cat. No.:	HY-N7394A
CAS No.:	84709-25-1
Molecular Formula:	C <sub>20</sub> H <sub>20</sub> O <sub>5</sub>
Molecular Weight:	340.37
Target:	JNK
Pathway:	MAPK/ERK Pathway
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 50 mg/mL (146.90 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.9380 mL	14.6899 mL	29.3798 mL	
5 mM	0.5876 mL	2.9380 mL	5.8760 mL	
10 mM	0.2938 mL	1.4690 mL	2.9380 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

(-)-Zuonin A (D-Epigalbacin), a naturally occurring lignin, is a potent, selective JNKs inhibitor, with IC<sub>50</sub>s of 1.7 μM, 2.9 μM and 1.74 μM for JNK1, JNK2 and JNK3, respectively<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

JNK1	JNK2	JNK3
1.7 μM (IC <sub>50</sub> )	2.9 μM (IC <sub>50</sub> )	1.74 μM (IC <sub>50</sub> )

#### In Vitro

(-)-zuonin A binds the D-recruitment site (DRS) of JNK, a recruitment site utilized by substrates and other substrates to dock onto and recognize MAPKs<sup>[1]</sup>.

(-)-zuonin A inhibits the activation and phosphorylation of JNK by MKK4 and MKK7<sup>[1]</sup>.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- Cell Mol Neurobiol. 2022 Oct 20.

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See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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[1]. Tamer S. Kaoud, et al. Manipulating JNK Signaling with (-)-zuonin A. ACS Chem Biol. 2012 Nov 16; 7(11): 1873–1883.

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

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