



# 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

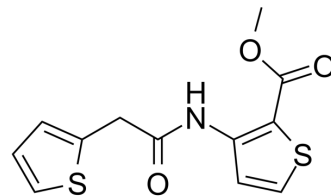
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## JNK-IN-11

Cat. No.:	HY-150053
CAS No.:	676594-38-0
Molecular Formula:	C <sub>12</sub> H <sub>11</sub> NO <sub>3</sub> S <sub>2</sub>
Molecular Weight:	281.35
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 : 125 mg/mL (444.29 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.5543 mL	17.7715 mL	35.5429 mL
	5 mM	0.7109 mL	3.5543 mL	7.1086 mL
	10 mM	0.3554 mL	1.7771 mL	3.5543 mL

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

### BIOLOGICAL ACTIVITY

#### Description

JNK-IN-11 (compound 1) is a potent JNK inhibitor with an IC<sub>50</sub> value of 2.2, 21.4, 1.8 μM for JNK1, JNK2, JNK3, respectively. JNK-IN-11 has the potential for the research of alzheimer and parkinson disease<sup>[1]</sup>.

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

JNK1 1.8 μM (IC <sub>50</sub> )	JNK3 2.2 μM (IC <sub>50</sub> )	JNK2 21.4 μM (IC <sub>50</sub> )
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### REFERENCES

[1]. Hom RK, et al. Design and synthesis of disubstituted thiophene and thiazole based inhibitors of JNK. Bioorg Med Chem Lett. 2010 Dec 15;20(24):7303-7.

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**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](mailto:tech@MedChemExpress.com)

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