



# 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

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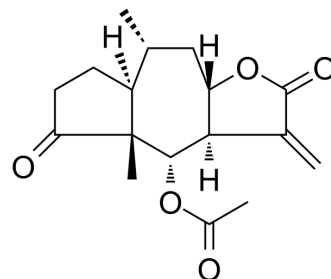
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## Ergolide

Cat. No.:	HY-N6893
CAS No.:	54999-07-4
Molecular Formula:	C <sub>17</sub> H <sub>22</sub> O <sub>5</sub>
Molecular Weight:	306.35
Target:	NF-κB
Pathway:	NF-κB
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 (163.21 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	
				5 mg	
				10 mg	
				10 mM	
			1 mg	5 mg	10 mg
	1 mM		3.2642 mL	16.3212 mL	32.6424 mL
	5 mM		0.6528 mL	3.2642 mL	6.5285 mL
	10 mM		0.3264 mL	1.6321 mL	3.2642 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: ≥ 2.5 mg/mL (8.16 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Ergolide is a sesquiterpene lactone isolated from the dried flowers of Inula Britannica. Ergolide inhibits inducible nitric oxide synthase and cyclo-oxygenase-2 expression in RAW 264.7 macrophages through the inactivation of NF-κB <sup>[1]</sup> .
IC <sub>50</sub> & Target	NF-κB

### CUSTOMER VALIDATION

- Open Research Europe. 2023 Jun 8.

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

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## REFERENCES

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[1]. Whan Han J, et al. Ergolide, sesquiterpene lactone from *Inula britannica*, inhibits inducible nitric oxide synthase and cyclo-oxygenase-2 expression in RAW 264.7 macrophages through the inactivation of NF-kappaB. *Br J Pharmacol.* 2001 Jun;133(4):503-12.

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

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