



# SZABO SCANDIC

Part of Europa Biosite

## 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

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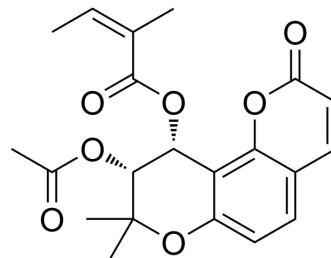
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## Pteryxin

Cat. No.:	HY-N2157	
CAS No.:	13161-75-6	
Molecular Formula:	C <sub>21</sub> H <sub>22</sub> O <sub>7</sub>	
Molecular Weight:	386.4	
Target:	Cholinesterase (ChE)	
Pathway:	Neuronal Signaling	
Storage:	Powder	-20°C 3 years 4°C 2 years
	In solvent	-80°C 2 years -20°C 1 year



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (258.80 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5880 mL	12.9400 mL	25.8799 mL
	5 mM	0.5176 mL	2.5880 mL	5.1760 mL
	10 mM	0.2588 mL	1.2940 mL	2.5880 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (6.47 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.5 mg/mL (6.47 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (6.47 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Pteryxin, a coumarin in *Peucedanum japonicum* Thunb leaves, exerts antiobesity activity<sup>[1]</sup>. Pteryxin is a potent butyrylcholinesterase (BChE) inhibitor, with an IC<sub>50</sub> of 12.96 μg/ml<sup>[2]</sup>.

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

BChE

### CUSTOMER VALIDATION

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- Biomed Pharmacother. 2023 Jun 21;165:114898.

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

## REFERENCES

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- [1]. Orhan IE, et al. Pteryxin - A promising butyrylcholinesterase-inhibiting coumarin derivative from *Mutellina purpurea*. *Food Chem Toxicol*. 2017 Nov;109(Pt 2):970-974.
- [2]. Nugara RN, et al. Pteryxin: a coumarin in *Peucedanum japonicum* Thunb leaves exerts antiobesity activity through modulation of adipogenic gene network. *Nutrition*. 2014 Oct;30(10):1177-84.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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