



SZABO SCANDIC

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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

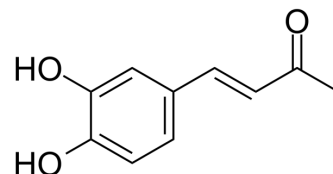
mail@szabo-scandic.com

www.szabo-scandic.com

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

Osmundacetone

Cat. No.:	HY-N6959	
CAS No.:	37079-84-8	
Molecular Formula:	C ₁₀ H ₁₀ O ₃	
Molecular Weight:	178.18	
Target:	Reactive Oxygen Species; Apoptosis	
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB; Apoptosis	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 45 mg/mL (252.55 mM; Need ultrasonic and warming)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	5.6123 mL	28.0615 mL	56.1230 mL
5 mM	1.1225 mL	5.6123 mL	11.2246 mL
10 mM	0.5612 mL	2.8062 mL	5.6123 mL

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

BIOLOGICAL ACTIVITY

Description

Osmundacetone is a natural product isolated from *Osmundae Rhizoma*, with neuroprotective and anti-apoptotic effects. Osmundacetone also has DPPH scavenging activity and anti-oxidative stress activity. Osmundacetone inhibits MAPK phosphorylation, including JNK, ERK, and p38 kinase. Osmundacetone can be a potential agent for the research of neurodegenerative diseases^{[1][2]}.

In Vitro

Osmundacetone significantly suppresses the phosphorylation of MAPKs, including JNK, ERK, and p38 kinases^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. D. Zhang, et al. Isolation and determination of osmundacetone in *Osmundae Rhizoma*. *Journal of Chinese Pharmaceutical Sciences* 45(21):1612-1614.
- [2]. Tuy An Trinh, et al. Protective Effect of Osmundacetone against Neurological Cell Death Caused by Oxidative Glutamate Toxicity. *Biomolecules*. 2021 Feb; 11(2): 328.

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