



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

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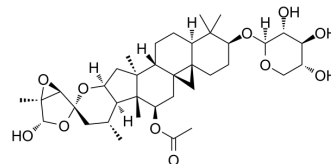
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Actein

Cat. No.:	HY-N6872
CAS No.:	18642-44-9
Molecular Formula:	C ₃₇ H ₅₆ O ₁₁
Molecular Weight:	676.83
Target:	JNK; Akt; Apoptosis; Autophagy
Pathway:	MAPK/ERK Pathway; PI3K/Akt/mTOR; Apoptosis; Autophagy
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (147.75 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.4775 mL	7.3874 mL	14.7748 mL
	5 mM	0.2955 mL	1.4775 mL	2.9550 mL
	10 mM	0.1477 mL	0.7387 mL	1.4775 mL

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

BIOLOGICAL ACTIVITY

Description

Actein is a triterpene glycoside isolated from the rhizomes of *Cimicifuga foetida*. Actein suppresses cell proliferation, induces autophagy and apoptosis through promoting ROS/JNK activation, and blunting AKT pathway in human bladder cancer. Actein has little toxicity in vivo^{[1][2]}.

REFERENCES

- [1]. Yang ZC, et al. Actein enhances TRAIL effects on suppressing gastric cancer progression by activating p53/Caspase-3 signaling. *Biochem Biophys Res Commun*. 2018 Mar 18;497(4):1177-1183.
- [2]. Ji L, et al. Actein induces autophagy and apoptosis in human bladder cancer by potentiating ROS/JNK and inhibiting AKT pathways. *Oncotarget*. 2017 Nov 1;8(68):112498-112515.

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

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