



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 Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

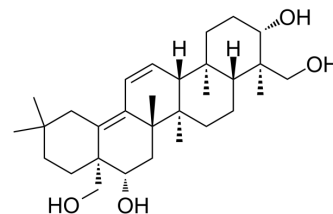
mail@szabo-scandic.com

www.szabo-scandic.com

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

Saikogenin A

Cat. No.:	HY-N6584
CAS No.:	5092-09-1
Molecular Formula:	C ₃₀ H ₄₈ O ₄
Molecular Weight:	472.7
Target:	Dipeptidyl Peptidase
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (52.89 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.1155 mL	10.5775 mL	21.1551 mL
		5 mM		0.4231 mL	2.1155 mL	4.2310 mL
		10 mM		0.2116 mL	1.0578 mL	2.1155 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.29 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.29 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.29 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Saikogenin A, extracted from a Chinese herbal plant called Tsai-Fu, is a dipeptidyl peptidase-IV (DPP-IV) inhibitor.
IC ₅₀ & Target	DPP-IV ^[1]
In Vitro	Saikogenin A has certain inhibitory effect on the enzyme DPP-IV. At a concentration of 20 µg/mL DPP-IV inhibition is 47.6%. DPP-IV is a non-classical serine aminopeptidase from its amino terminus of polypeptides and proteins (N-terminus) removing Xaa-Pro dipeptide ^[1] .

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

Saikogenin A, an anti-inflammatory drug, is present in the crude extract of a Chinese herbal plant called Tsai-Fu. Saikogenin A is less effective in adrenalectomized rats than in normal rats in reducing the carrageenin-induced edema. The anti-inflammatory action of Saikogenin A are due to an increase in corticosterone caused by the release of adrenocorticotrophic hormone (ACTH) and a direct effect on the process of inflammation^[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Phytother Res. 2020 Apr;34(4):788-795.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Pharmaceutical application of saikogenin A. CN107375300A.

[2]. Cheng JT, et al. Anti-inflammatory effect of Saikogenin A. Biochem Pharmacol. 1986 Aug 1;35(15):2483-7.

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