



# 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

Quellenstraße 110, A-1100 Wien

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

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

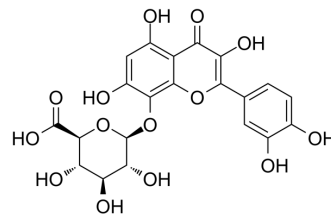
[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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

## Hibifolin

Cat. No.:	HY-N7368
CAS No.:	55366-56-8
Molecular Formula:	C <sub>21</sub> H <sub>18</sub> O <sub>14</sub>
Molecular Weight:	494.36
Target:	Adenosine Deaminase
Pathway:	Metabolic Enzyme/Protease
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 (202.28 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.0228 mL	10.1141 mL	20.2282 mL
				5 mM	0.4046 mL	2.0228 mL	4.0456 mL
				10 mM	0.2023 mL	1.0114 mL	2.0228 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 (5.06 mM); Clear solution; Need ultrasonic						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (5.06 mM); Suspended solution; Need ultrasonic						

### BIOLOGICAL ACTIVITY

Description	Hibifolin, a flavonol glycoside, is a potential inhibitor of adenosine deaminase (ADA), with a K <sub>i</sub> of 49.92 μM. Hibifolin protects neurons against beta-amyloid-induced neurotoxicity <sup>[1][2]</sup> .
IC <sub>50</sub> & Target	Ki: 49.92 μM (ADA) <sup>[1]</sup>

### REFERENCES

- [1]. KG Arun, et al. Inhibitory activity of hibifolin on adenosine deaminase- experimental and molecular modeling study. *Comput Biol Chem.* 2016 Oct;64:353-358.
- [2]. Judy T T Zhu, et al. Hibifolin, a flavonol glycoside, prevents beta-amyloid-induced neurotoxicity in cultured cortical neurons. *Neurosci Lett.* 2009 Sep 18;461(2):172-6.

---

**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](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA