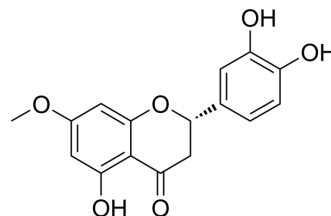


## Sternbin

Cat. No.:	HY-N2754
CAS No.:	51857-11-5
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> O <sub>6</sub>
Molecular Weight:	302.28
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (165.41 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.3082 mL	16.5410 mL	33.0819 mL
				5 mM	0.6616 mL	3.3082 mL	6.6164 mL
				10 mM	0.3308 mL	1.6541 mL	3.3082 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: ≥ 1.25 mg/mL (4.14 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (4.14 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Sternbin is the detoxified metabolites from the rice flavanone phytoalexin Sakuranetin by <i>Pyricularia oryzae</i> . Sakuranetin is a flavanone phytoalexin associated with disease resistance in rice plants <sup>[1]</sup> .
-------------	---

### REFERENCES

[1]. Katsumata S, et al. Identification of Sternbin and Naringenin as Detoxified Metabolites from the Rice Flavanone Phytoalexin Sakuranetin by *Pyricularia oryzae*. Chem Biodivers. 2017 Feb;14(2).

---

**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