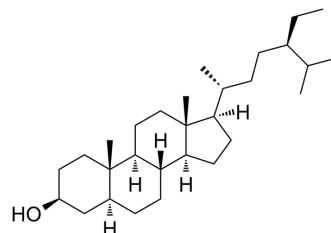


## Stigmastanol

Cat. No.:	HY-113494		
CAS No.:	83-45-4		
Molecular Formula:	C <sub>29</sub> H <sub>52</sub> O		
Molecular Weight:	416.72		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

Ethanol : 5 mg/mL (12.00 mM; Need ultrasonic)  
 DMSO : < 1 mg/mL (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.3997 mL	11.9985 mL	23.9969 mL
	5 mM	0.4799 mL	2.3997 mL	4.7994 mL
	10 mM	0.2400 mL	1.1998 mL	2.3997 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Stigmastanol is the 6-amino derivative isolated from *Hypericum riparium*. *Hypericum riparium* A. Chev. is a Cameroonian medicinal plant belonging to the family Guttiferae<sup>[1][2]</sup>.

#### IC<sub>50</sub> & Target

Human Endogenous Metabolite

### REFERENCES

[1]. Pinhas H, et al. 6-amino derivatives of stigmastanol and cholestanol. *J Med Chem.* 1971;14(11):1048-1049.

[2]. Tanemossu SA, et al. Rare biscoumarin derivatives and flavonoids from *Hypericum riparium*. *Phytochemistry.* 2014;105:171-177.

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

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