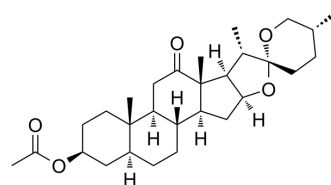


## Hecogenin acetate

<b>Cat. No.:</b>	HY-126941		
<b>CAS No.:</b>	915-35-5		
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>44</sub> O <sub>5</sub>		
<b>Molecular Weight:</b>	472.66		
<b>Target:</b>	Opioid Receptor		
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

THF : 57.5 mg/mL (121.65 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1157 mL	10.5784 mL	21.1569 mL
	5 mM	0.4231 mL	2.1157 mL	4.2314 mL
	10 mM	0.2116 mL	1.0578 mL	2.1157 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Hecogenin acetate is a steroidal sapogenin-acetylated with anti-inflammatory and antinociceptive. Hecogenin acetate shows potential antihyperalgesic activity, inhibiting descending pain and acting in opioid receptors<sup>[1][2]</sup>.

### REFERENCES

[1]. de França Almeida Moreira CDL, et al. Amorphous solid dispersions of hecogenin acetate using different polymers for enhancement of solubility and improvement of anti-hyperalgesic effect in neuropathic pain model in mice. *Biomed Pharmacother.* 2018 Jan;97:8

[2]. Carvalho YMBG, et al. Inclusion complex between  $\beta$ -cyclodextrin and hecogenin acetate produces superior analgesic effect in animal models for orofacial pain. *Biomed Pharmacother.* 2017 Sep;93:754-762.

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

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