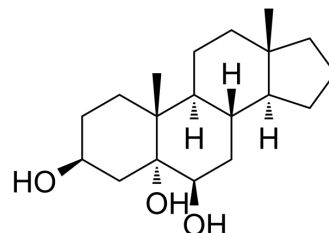


## 5 $\alpha$ -Androstane-3 $\beta$ ,5,6 $\beta$ -triol

Cat. No.:	HY-100206		
CAS No.:	4725-51-3		
Molecular Formula:	C <sub>19</sub> H <sub>32</sub> O <sub>3</sub>		
Molecular Weight:	308.46		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO :  $\geq$  125 mg/mL (405.24 mM)  
 \* " $\geq$ " means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.2419 mL	16.2096 mL	32.4191 mL
	5 mM		0.6484 mL	3.2419 mL	6.4838 mL
	10 mM		0.3242 mL	1.6210 mL	3.2419 mL

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

### BIOLOGICAL ACTIVITY

#### Description

5 $\alpha$ -Androstane-3 $\beta$ ,5,6 $\beta$ -triol is a neuroprotectant. 5 $\alpha$ -Androstane-3 $\beta$ ,5,6 $\beta$ -triol can remarkably reverse intracellular acidification and alleviate neuronal injury through the inhibition of AMPK signaling. 5 $\alpha$ -Androstane-3 $\beta$ ,5,6 $\beta$ -triol remarkably reduced the infarct volume and attenuated neurologic impairment in acute ischemic stroke models of middle cerebral artery occlusion in vivo<sup>[1]</sup>.

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

AMPK<sup>[1]</sup>

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

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