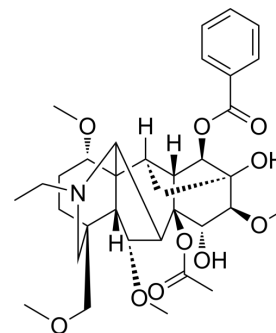


## 3-Deoxyaconitine

Cat. No.:	HY-N2164
CAS No.:	3175-95-9
Molecular Formula:	C <sub>34</sub> H <sub>47</sub> NO <sub>10</sub>
Molecular Weight:	629.74
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
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 (79.40 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.5880 mL	7.9398 mL	15.8796 mL
		5 mM	0.3176 mL	1.5880 mL	3.1759 mL
	10 mM	0.1588 mL	0.7940 mL	1.5880 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 (3.97 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.97 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	3-Deoxyaconitine a diterpenoid alkaloid, is a sodium channel activator <sup>[1]</sup> .
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### REFERENCES

[1]. Gao F, et al. 3-Deoxy-aconitine from the root of Aconitum Carmichaeli Debx. Acta Crystallogr Sect E Struct Rep Online. 2010 May 15;66(Pt 6):o1342.

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

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