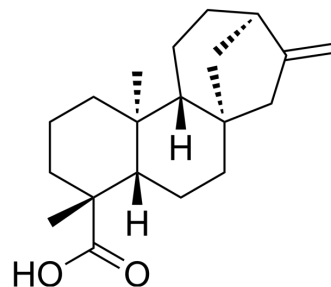


## Kaurenoic acid

Cat. No.:	HY-N1469
CAS No.:	6730-83-2
Molecular Formula:	C <sub>20</sub> H <sub>30</sub> O <sub>2</sub>
Molecular Weight:	302.45
Target:	Potassium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (330.63 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	3.3063 mL	16.5317 mL	33.0633 mL
				5 mM	0.6613 mL	3.3063 mL	6.6127 mL
				10 mM	0.3306 mL	1.6532 mL	3.3063 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.27 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.27 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Kaurenoic acid is a diterpene from <i>Sphagneticola trilobata</i> , inhibits Inflammatory Pain by the inhibition of cytokine production and activation of the NO-cyclic GMP-PKG-ATP-sensitive potassium channel signaling pathway <sup>[1]</sup> .
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### REFERENCES

[1]. Mizokami SS, et al. Kaurenoic acid from *Sphagneticola trilobata* Inhibits Inflammatory Pain: effect on cytokine production and activation of the NO-cyclic GMP-protein kinase G-ATP-sensitive potassium channel signaling pathway. *J Nat Prod.* 2012 May 25;75(5):896-904.

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

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