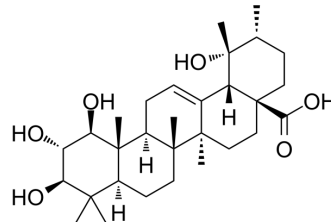


## 1,2,3,19-Tetrahydroxy-12-ursen-28-oic acid

<b>Cat. No.:</b>	HY-N0978
<b>CAS No.:</b>	113558-03-5
<b>Molecular Formula:</b>	C <sub>30</sub> H <sub>48</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	504.7
<b>Target:</b>	Parasite
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 50 mg/mL (99.07 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	<b>Preparing Stock Solutions</b>		1 mg	5 mg	10 mg
		1 mM	1.9814 mL	9.9069 mL	19.8138 mL
		5 mM	0.3963 mL	1.9814 mL	3.9628 mL
	10 mM	0.1981 mL	0.9907 mL	1.9814 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 1.25 mg/mL (2.48 mM); Suspended solution; Need ultrasonic  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (2.48 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	1,2,3,19-Tetrahydroxy-12-ursen-28-oic acid is a Triterpenoid that isolated from the plant of Agrimonia Pilosa with antimalarial and antidiabetic activities <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	Plasmodium

### REFERENCES

[1]. Jia Zhang, et al. The triterpenoids and sesquiterpenoids from the plant of Agrimonia pilosa. Fitoterapia. 2022 Mar;157:105104.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA