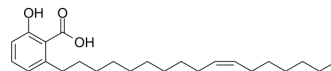


## Ginkgolic acid C17:1

Cat. No.:	HY-N2116
CAS No.:	111047-30-4
Molecular Formula:	C <sub>24</sub> H <sub>38</sub> O <sub>3</sub>
Molecular Weight:	374.56
Target:	PTEN; Phosphatase
Pathway:	PI3K/Akt/mTOR; Metabolic Enzyme/Protease
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 (266.98 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.6698 mL	13.3490 mL	26.6980 mL
				5 mM	0.5340 mL	2.6698 mL	5.3396 mL
				10 mM	0.2670 mL	1.3349 mL	2.6698 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 (6.67 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.67 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.67 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Ginkgolic acid C17:1, extracted from Ginkgo biloba Leaves, suppresses constitutive and inducible STAT3 activation through induction of PTEN and SHP-1 tyrosine phosphatase. Ginkgolic acid C17:1 has anticancer effects <sup>[1]</sup> .
IC <sub>50</sub> & Target	PTEN; Phosphatase <sup>[1]</sup>

### REFERENCES

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[1]. Baek SH, et al. Ginkgolic Acid C 17:1, Derived from Ginkgo biloba Leaves, Suppresses Constitutive and Inducible STAT3 Activation through Induction of PTEN and SHP-1 Tyrosine Phosphatase. *Molecules*. 2017 Feb 13;22(2). pii: E276.

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

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