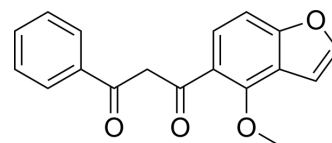


Pongamol

Cat. No.:	HY-121811		
CAS No.:	484-33-3		
Molecular Formula:	C ₁₈ H ₁₄ O ₄		
Molecular Weight:	294.3		
Target:	Glucosidase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (169.89 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.3979 mL	16.9895 mL	33.9789 mL
		5 mM	0.6796 mL	3.3979 mL	6.7958 mL
10 mM		0.3398 mL	1.6989 mL	3.3979 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (8.49 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Pongamol (Lanceolatin C) is potent α -glucosidase inhibitor (IC ₅₀ =103.5 μ M) and has free-radical (DPPH) scavenging, antihyperglycemic, and antihyperglycemic activities ^[1] .
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REFERENCES

- [1]. R Ranga Rao, et al. New furanoflavanoids, intestinal alpha-glucosidase inhibitory and free-radical (DPPH) scavenging, activity from antihyperglycemic root extract of *Derris indica* (Lam.). *Bioorg Med Chem.* 2009 Jul 15;17(14):5170-5.
- [2]. R Ranga Rao, et al. New furanoflavanoids, intestinal alpha-glucosidase inhibitory and free-radical (DPPH) scavenging, activity from antihyperglycemic root extract of *Derris indica* (Lam.). *Bioorg Med Chem.* 2009 Jul 15;17(14):5170-5.

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

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