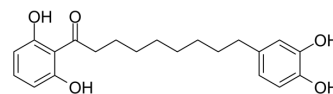


## Malabaricone C

Cat. No.:	HY-N8518
CAS No.:	63335-25-1
Molecular Formula:	C <sub>21</sub> H <sub>26</sub> O <sub>5</sub>
Molecular Weight:	358.43
Target:	Others
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (278.99 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM		2.7899 mL	13.9497 mL	27.8995 mL
		5 mM		0.5580 mL	2.7899 mL	5.5799 mL
		10 mM		0.2790 mL	1.3950 mL	2.7899 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 (6.97 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.97 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.97 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Malabaricone C is a natural sphingomyelin synthase (SMS) inhibitor with IC <sub>50</sub> s of 3 and 1.5 μM for SMS 1 and 2, respectively [1].
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### REFERENCES

[1]. Othman MA, et al. Malabaricone C as Natural Sphingomyelin Synthase Inhibitor against Diet-Induced Obesity and Its Lipid Metabolism in Mice. ACS Med Chem Lett.

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

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