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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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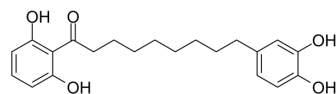
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Malabaricone C

Cat. No.:	HY-N8518
CAS No.:	63335-25-1
Molecular Formula:	C ₂₁ H ₂₆ O ₅
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)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>2.7899 mL</td> <td>13.9497 mL</td> <td>27.8995 mL</td> </tr> <tr> <td>5 mM</td> <td>0.5580 mL</td> <td>2.7899 mL</td> <td>5.5799 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2790 mL</td> <td>1.3950 mL</td> <td>2.7899 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	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
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	<ol style="list-style-type: none"> 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 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 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 ₅₀ 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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