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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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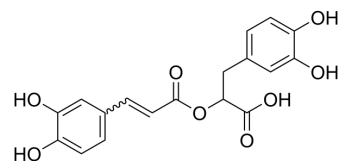
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Rosmarinic acid racemate

Cat. No.:	HY-N2336
CAS No.:	537-15-5
Molecular Formula:	C ₁₈ H ₁₆ O ₈
Molecular Weight:	360.31
Target:	Monoamine Oxidase; Endogenous Metabolite
Pathway:	Neuronal Signaling; 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 : 75 mg/mL (208.15 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		2.7754 mL	13.8769 mL	27.7539 mL
		5 mM		0.5551 mL	2.7754 mL	5.5508 mL
		10 mM		0.2775 mL	1.3877 mL	2.7754 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 (6.94 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (6.94 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.94 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Rosmarinic acid racemate is the racemate of Rosmarinic acid. Rosmarinic acid inhibits MAO-A, MAO-B and COMT enzymes with IC ₅₀ s of 50.1, 184.6 and 26.7 μM, respectively.
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REFERENCES

[1]. Andrade JM, et al. Combining in vitro and in silico approaches to evaluate the multifunctional profile of rosmarinic acid from *Blechnum brasiliense* on targets related to neurodegeneration. *Chem Biol Interact.* 2016 Jul 25;254:135-45.

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

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