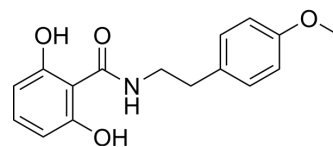


Riparin

Cat. No.:	HY-121966
CAS No.:	112356-54-4
Molecular Formula:	C ₁₆ H ₁₇ NO ₄
Molecular Weight:	287.31
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (348.06 mM; Need ultrasonic)					
	Preparing Stock Solutions	<div><div>Solvent</div><div>Concentration</div></div>	Mass	1 mg	5 mg	10 mg
		1 mM	3.4806 mL	17.4028 mL	34.8056 mL	
		5 mM	0.6961 mL	3.4806 mL	6.9611 mL	
		10 mM	0.3481 mL	1.7403 mL	3.4806 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 (8.70 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.70 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Riparin is a nonspecific smooth muscle relaxant. Riparin inhibits CaCl ₂ -induced contractions in a reversible and non-competitive manner and can be used in spasmolytic studies ^[1] .
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REFERENCES

[1]. Thomas G, et al. Studies on the mechanism of spasmolytic activity of (O-methyl-N-(2,6-dihydroxybenzoyl)tyramine, a constituent of Aniba riparia (Nees) Mez. (Lauraceae), in rat uterus, rabbit aorta and guinea-pig alveolar leucocytes. J Pharm Pharmacol. 1994 Feb;46(2):103-7.

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

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