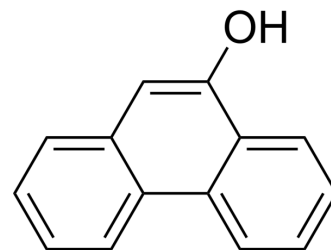


9-Phenanthrol

Cat. No.:	HY-108457		
CAS No.:	484-17-3		
Molecular Formula:	C ₁₄ H ₁₀ O		
Molecular Weight:	194.23		
Target:	TRP Channel		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling		
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 : 100 mg/mL (514.85 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.1485 mL	25.7427 mL	51.4854 mL
	5 mM	1.0297 mL	5.1485 mL	10.2971 mL
	10 mM	0.5149 mL	2.5743 mL	5.1485 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

9-Phenanthrol (9-Hydroxyphenanthrene) is a potent and selective human TRPM4 inhibitor, with an IC₅₀ of 20 μM. 9-Phenanthrol can be used for the research of ischemia-reperfusion injury^{[1][2]}.

REFERENCES

[1]. Wang J, et, al. 9-Phenanthrol, a TRPM4 inhibitor, protects isolated rat hearts from ischemia-reperfusion injury. PLoS One. 2013 Jul 25;8(7):e70587.

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

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