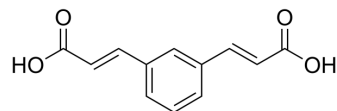


TC AQP1 1

Cat. No.:	HY-110200	
CAS No.:	37710-81-9	
Molecular Formula:	C ₁₂ H ₁₀ O ₄	
Molecular Weight:	218.21	
Target:	Aquaporin	
Pathway:	Membrane Transporter/Ion Channel	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (229.14 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	4.5827 mL	22.9137 mL	45.8274 mL
			5 mM	0.9165 mL	4.5827 mL	9.1655 mL
10 mM	0.4583 mL	2.2914 mL	4.5827 mL			
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (11.46 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	TC AQP1 1 (m-Phenylenediacrylic acid) is a potent AQP1 inhibitor. TC AQP1 1 inhibits AQP1-mediated water flux in oocytes, with an IC ₅₀ of 8 μM ^[1] .
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REFERENCES

[1]. Salman MM, et al. Recent breakthroughs and future directions in drugging aquaporins. Trends Pharmacol Sci. 2022 Jan;43(1):30-42.

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

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