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Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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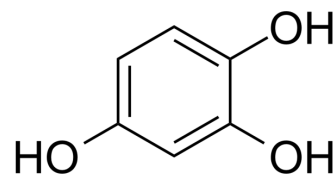
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1,2,4-Trihydroxybenzene

Cat. No.:	HY-W010451		
CAS No.:	533-73-3		
Molecular Formula:	C ₆ H ₆ O ₃		
Molecular Weight:	126.11		
Target:	Calcium 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 : 50 mg/mL (396.48 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	7.9296 mL	39.6479 mL	79.2959 mL
		5 mM	1.5859 mL	7.9296 mL	15.8592 mL
10 mM		0.7930 mL	3.9648 mL	7.9296 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 (19.82 mM); Suspended solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (19.82 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	1,2,4-Trihydroxybenzene (Hydroxyhydroquinone), a by-product of coffee bean roasting, increases intracellular Ca ²⁺ concentration in rat thymic lymphocytes ^[1] .
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REFERENCES

[1]. Risa Kamae, et al. Hydroxyhydroquinone, a by-product of coffee bean roasting, increases intracellular Ca²⁺ concentration in rat thymic lymphocytes. Food Chem Toxicol. 2017 Apr;102:39-45.

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

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