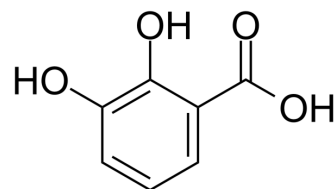


Pyrocatechuic acid

Cat. No.:	HY-Y0202		
CAS No.:	303-38-8		
Molecular Formula:	C ₇ H ₆ O ₄		
Molecular Weight:	154.12		
Target:	Endogenous Metabolite		
Pathway:	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 : 100 mg/mL (648.85 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.4885 mL	32.4423 mL	64.8845 mL
	5 mM	1.2977 mL	6.4885 mL	12.9769 mL
	10 mM	0.6488 mL	3.2442 mL	6.4885 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (16.22 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (16.22 mM); Clear solution

BIOLOGICAL ACTIVITY

Description	Pyrocatechuic acid is a normal human benzoic acid metabolite found in plasma, and has increased levels after aspirin ingestion.
IC₅₀ & Target	Human Endogenous Metabolite
In Vitro	Pyrocatechuic acid (2,3-Dihydroxybenzoic acid) is a normal human benzoic acid metabolite found in plasma, and has increased levels after aspirin ingestion ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Grootveld M, et al. 2,3-Dihydroxybenzoic acid is a product of human aspirin metabolism. *Biochem Pharmacol.* 1988 Jan 15;37(2):271-80.

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

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