2,3,4-Trihydroxybenzoic acid

Cat. No.: HY-W016993

CAS No.: 610-02-6

Molecular Formula: $C_7H_6O_5$

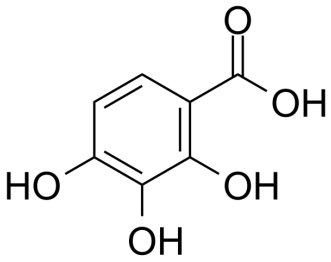
Molecular Weight: 170.12

Target: Others

Pathway: Others

Storage: 4°C, stored under nitrogen

* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (293.91 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	5.8782 mL	29.3910 mL	58.7820 mL
	5 mM	1.1756 mL	5.8782 mL	11.7564 mL
	10 mM	0.5878 mL	2.9391 mL	5.8782 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 (14.70 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (14.70 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (14.70 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

2,3,4-Trihydroxybenzoic acid is an internal standard in separation of phenolic acids by HPLC.

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

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