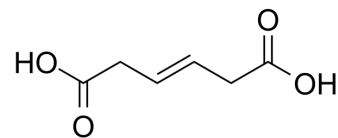


Trans-2-butene-1,4-dicarboxylic acid

Cat. No.:	HY-128426		
CAS No.:	4436-74-2		
Molecular Formula:	C ₆ H ₈ O ₄		
Molecular Weight:	144.13		
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 : 250 mg/mL (1734.55 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	6.9382 mL	34.6909 mL	69.3818 mL
	5 mM	1.3876 mL	6.9382 mL	13.8764 mL
	10 mM	0.6938 mL	3.4691 mL	6.9382 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: ≥ 2.08 mg/mL (14.43 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (14.43 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (14.43 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Trans-2-butene-1,4-dicarboxylic acid is an endogenous metabolite.

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

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