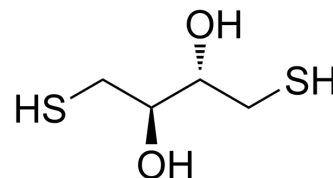


DTE

Cat. No.:	HY-15916		
CAS No.:	6892-68-8		
Molecular Formula:	C ₄ H ₁₀ O ₂ S ₂		
Molecular Weight:	154.25		
Target:	Biochemical Assay Reagents		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (648.30 mM; Need ultrasonic)
 H₂O : 50 mg/mL (324.15 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	6.4830 mL	32.4149 mL	64.8298 mL
	5 mM	1.2966 mL	6.4830 mL	12.9660 mL
	10 mM	0.6483 mL	3.2415 mL	6.4830 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 50 mg/mL (324.15 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (16.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (16.21 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (16.21 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

DTE (Dithioerythritol) is a sulfur-containing sugar derived from the corresponding 4-carbon monosaccharide erythrose; an epimer of dithiothreitol (DTT).

CUSTOMER VALIDATION

- Immunity. 2023 Mar 14;56(3):620-634.e11.
- PLoS Negl Trop Dis. 2021 Jan 25;15(1):e0009072.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Dithioerythritol, From Wikipedia

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

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