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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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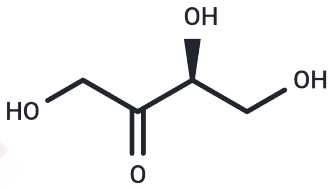
Data Sheet (Cat.No.TN7571)

TargetMol

L-Erythrulose

Chemical Properties



CAS No. : 533-50-6

Formula: C4H8O4

Molecular Weight: 120.1

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	L-Erythrulose (L-glycero-Tetrulose) is a ketose extracted from sugar cane that has tanning and moisturizing effects and is often added to skin care products.
Targets(IC50)	Others
In vivo	b>METHODS: Numerous toxicity and metabolism studies were conducted on erythritol in rats, mice, and dogs; toxicity studies included long-term feeding studies to determine carcinogenic potential, intravenous and oral teratogenicity studies to determine possible effects on the fetus, oral studies of erythritol to determine the possibility of reproductive effects, and bacterial and mammalian systemic studies to determine mutagenic potential. **RESULTS**: Metabolism studies in animals showed that erythritol was almost completely absorbed, rather than systemically metabolized, and excreted unchanged in the urine; safety studies showed that erythritol was well tolerated and did not cause toxicological effects; clinical studies showed that erythritol was well tolerated and did not cause any toxicologically relevant effects even after high-dose exposure; erythritol administered orally to the human body was rapidly absorbed from the gastrointestinal tract and quantitatively excreted in the urine without metabolic changes; there was no evidence of toxicity from erythritol. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.3264 mL	41.632 mL	83.2639 mL
5 mM	1.6653 mL	8.3264 mL	16.6528 mL
10 mM	0.8326 mL	4.1632 mL	8.3264 mL
50 mM	0.1665 mL	0.8326 mL	1.6653 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Munro IC, et al. Erythritol: an interpretive summary of biochemical, metabolic, toxicological and clinical data. Food Chem Toxicol. 1998 Dec;36(12):1139-74.

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