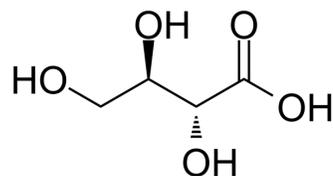


## Erythronic acid

<b>Cat. No.:</b>	HY-113048
<b>CAS No.:</b>	13752-84-6
<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>8</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	136.1
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : ≥ 100 mg/mL (734.75 mM)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		7.3475 mL	36.7377 mL	73.4754 mL
	5 mM		1.4695 mL	7.3475 mL	14.6951 mL
	10 mM		0.7348 mL	3.6738 mL	7.3475 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Erythronic acid is an endogenous metabolite of carbohydrates that can be used in the study of metabolism-related diseases. It plays a key role in the onset and improvement of hyperuricemia and is related to mitochondrial dysfunction in transaldolase deficiency<sup>[1]</sup>.

### REFERENCES

[1]. Mairepaiti Halimulati, et al. Anti-Hyperuricemic Effect of Anserine Based on the Gut-Kidney Axis: Integrated Analysis of Metagenomics and Metabolomics. *Nutrients*. 2023 Feb 15;15(4):969.

---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA