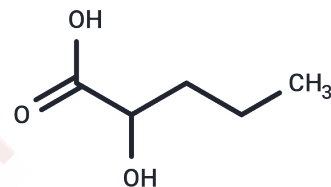


2-Hydroxypentanoic acid

Chemical Properties

CAS No. :	617-31-2
Formula:	C ₅ H ₁₀ O ₃
Molecular Weight:	118.13
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	2-Hydroxypentanoic acid is a useful life science reagent for biochemical experiments and organic synthesis.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.4653 mL	42.3263 mL	84.6525 mL
5 mM	1.6931 mL	8.4653 mL	16.9305 mL
10 mM	0.8465 mL	4.2326 mL	8.4653 mL
50 mM	0.1693 mL	0.8465 mL	1.6931 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Xie Q, Li D, Ren C, Liang H, Shi G, Chen W. Comprehensive Analysis of Orthodontic Treatment Effects on the Oral Microbiome, Metabolome, and Associated Health Indicators. *Int Dent J.* 2025 Jun;75(3):1585-1598.

Amin MT, et al. Discovery of specific activity of 2-hydroxypentanoic acid acting on the mPR alpha (Paqr7) from the marine algae *Padina*. *Biochem Biophys Res Commun.* 2025 Mar 5;751:151433.

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