

2-Oxovaleric acid

Chemical Properties

CAS No. : 1821-02-9

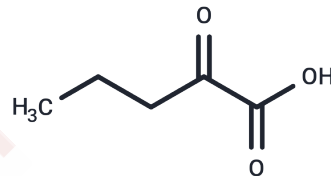
Formula: C₅H₈O₃

Molecular Weight: 116.12

Appearance: no data available

store at low temperature

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



Biological Description

Description	2-Oxovaleric acid is a keto acid found in human blood.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 80 mg/mL (688.94 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.6118 mL	43.0589 mL	86.1178 mL
5 mM	1.7224 mL	8.6118 mL	17.2236 mL
10 mM	0.8612 mL	4.3059 mL	8.6118 mL
50 mM	0.1722 mL	0.8612 mL	1.7224 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

Chen, C., Yang, Y., Choo, KH. et al. Cracking the code of seasonal seawater biofouling: enhanced biofouling control with quorum sensing inhibitor-functionalized membranes. npj Clean Water 7, 12 (2024).
Zhao YQ, Zhang HH, Wu J, Li L, Li J, Zhong H, Jin Y, Lei TY, Zhao XY, Xu B, Song QB, He J. Prediction of Tumor Microenvironment Characteristics and Treatment Response in Lung Squamous Cell Carcinoma by Pseudogene OR7E47P-related Immune Genes. Curr Med Sci. 2023 Dec;43(6):1133-1150. doi: 10.1007/s11596-023-2798-Epub 2023 Nov 28.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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