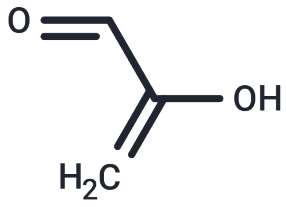
Data Sheet (Cat.No.T19536)

TargetMol

Pyruvic aldehyde

Chemical Properties



CAS No. : 78-98-8

Formula: C3H4O2

Molecular Weight: 72.06

Appearance: no data available

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

Biological Description

Description	Pyruvic aldehyde (2-Oxopropanal) is a highly reactive dicarbonyl compound that can be converted to lactic acid by evolution from DHA and GLA.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 3 mg/mL (41.63 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	13.8773 mL	69.3866 mL	138.7732 mL
5 mM	2.7755 mL	13.8773 mL	27.7546 mL
10 mM	1.3877 mL	6.9387 mL	13.8773 mL
50 mM	0.2775 mL	1.3877 mL	2.7755 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

Kryslaine M.A. et al.Discussing Lewis and Brønsted acidity on continuous pyruvaldehyde Cannizzaro reaction to lactic acid over solid catalysts,Molecular Catalysis,Volume 458, Part B,2018: 198-205,

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