

Acetoacetic acid lithium salt

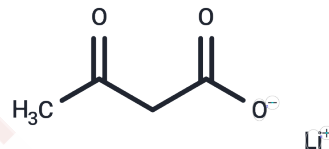
Chemical Properties

CAS No. : 3483-11-2

Formula: C₄H₅LiO₃

Molecular Weight: 108.02

Appearance: no data available

Storage: store at low temperature, keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Acetoacetic acid lithium salt (Lithium 3-Oxobutyrates) is a weak organic acid that can be produced in the human liver under certain conditions of poor Metabolism leading to excessive fatty acid breakdown (diabetes mellitus leading to diabetic ketoacidosis).
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 1.08 mg/mL (10 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	9.2575 mL	46.2877 mL	92.5754 mL
5 mM	1.8515 mL	9.2575 mL	18.5151 mL
10 mM	0.9258 mL	4.6288 mL	9.2575 mL
50 mM	0.1852 mL	0.9258 mL	1.8515 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

Yeh YY, et al. Preferential utilization of ketone bodies in the brain and lung of newborn rats. Fed Proc. 1985 Apr;44 (7):2352-8.

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