3-Methyl-2-oxovaleric acid sodium

Cat. No.: HY-W017386

CAS No.: 3715-31-9

Molecular Formula: $C_6H_9NaO_3$

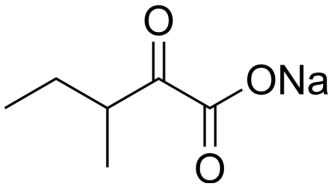
Molecular Weight: 152.12

Target: Biochemical Assay Reagents

Pathway: Others

Storage: 4°C, sealed storage, away from moisture

* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 50 mg/mL (328.69 mM; Need ultrasonic)

Preparing Stock Solutions

Concentration \ Solvent \ Mass	1 mg	5 mg	10 mg
1 mM	6.5738 mL	32.8688 mL	65.7376 mL
5 mM	1.3148 mL	6.5738 mL	13.1475 mL
10 mM	0.6574 mL	3.2869 mL	6.5738 mL

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

BIOLOGICAL ACTIVITY

Description

3-Methyl-2-oxovaleric acid, sodium salt belongs to the class of carboxylic acids, consisting of a five-carbon chain with methyl, carboxyl and ketone groups. This compound is commonly used as an analytical reagent in biochemical and medical research, especially for the detection and quantification of 2-ketoacids. It can also be used as a substrate in enzyme assays to measure the activity of certain enzymes involved in amino acid metabolism. In addition, 3-Methyl-2-oxovaleric acid, sodium salt may have potential research roles in various diseases such as diabetes, cancer and cardiovascular disease.

In Vitro

3-Methyl-2-oxovaleric acid (sodium) is a biochemical reagent that can be used as a biological material or organic compound for life science related research.

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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