



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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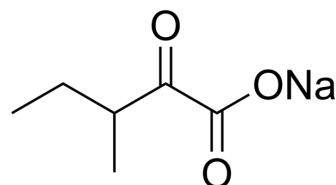
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3-Methyl-2-oxovaleric acid sodium

Cat. No.:	HY-W017386
CAS No.:	3715-31-9
Molecular Formula:	C ₆ H ₉ NaO 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)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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.

Caution: Product has not been fully validated for medical applications. For research use only.

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