



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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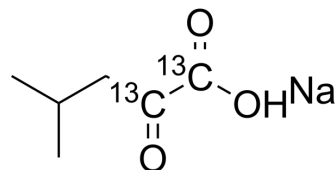
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## Alpha-ketoisocaproic acid-<sup>13</sup>C<sub>2</sub> sodium

<b>Cat. No.:</b>	HY-W017387S1
<b>CAS No.:</b>	2483736-09-8
<b>Molecular Formula:</b>	C <sub>4</sub> <sup>13</sup> C <sub>2</sub> H <sub>10</sub> NaO <sub>3</sub>
<b>Molecular Weight:</b>	155.12
<b>Target:</b>	Isotope-Labeled Compounds
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### SOLVENT & SOLUBILITY

#### In Vitro

Ethanol : 5 mg/mL (32.23 mM; Need ultrasonic and warming)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	6.4466 mL	32.2331 mL	64.4662 mL
5 mM	1.2893 mL	6.4466 mL	12.8932 mL
10 mM	0.6447 mL	3.2233 mL	6.4466 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Alpha-ketoisocaproic acid-<sup>13</sup>C<sub>2</sub> (sodium) is the <sup>13</sup>C labeled Alpha-ketoisocaproic acid sodium[1].

#### In Vitro

Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs<sup>[1]</sup>.

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

### REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

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

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