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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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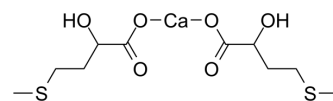
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Calcium 2-hydroxy-4-(methylthio)butanoate

Cat. No.:	HY-W011195
CAS No.:	4857-44-7
Molecular Formula:	C ₁₀ H ₁₈ CaO ₆ S ₂
Molecular Weight:	338.45
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 31.25 mg/mL (92.33 mM; ultrasonic and warming and heat to 60°C)
 H₂O : 14.29 mg/mL (42.22 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.9546 mL	14.7732 mL	29.5465 mL
	5 mM	0.5909 mL	2.9546 mL	5.9093 mL
	10 mM	0.2955 mL	1.4773 mL	2.9546 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (6.15 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (6.15 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (6.15 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Calcium 2-hydroxy-4-(methylthio)butanoate is an endogenous metabolite.

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

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