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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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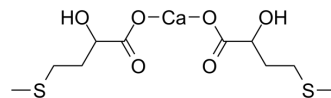
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Calcium 2-hydroxy-4-(methylthio)butanoate

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)

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

- 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
- 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
- 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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