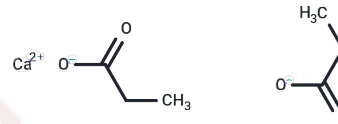


Calcium Propionate

Chemical Properties

CAS No. :	4075-81-4
Formula:	C ₆ H ₁₀ CaO ₄
Molecular Weight:	186.22
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Calcium Propionate inhibits <i>Penicillium digitatum</i> and <i>Mucor</i> , exhibiting antifungal activity, and is commonly used as a food preservative and animal feed additive.
Targets(IC50)	Antifungal

Solubility Information

Solubility	H ₂ O: 80 mg/mL (429.6 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.370 mL	26.850 mL	53.6999 mL
5 mM	1.074 mL	5.370 mL	10.740 mL
10 mM	0.537 mL	2.685 mL	5.370 mL
50 mM	0.1074 mL	0.537 mL	1.074 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Goff JP, et al. Field trials of an oral Calcium Propionate paste as an aid to prevent milk fever in periparturient dairy cows. *J Dairy Sci.* 1996 Mar;79(3):378-83.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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