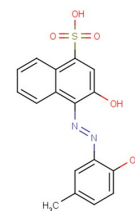


## Calmagite

## Chemical Properties

CAS No.:	3147-14-6
Formula:	C17H14N2O5S
Molecular Weight:	358.37
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Calmagite is an indicator that can be used to detect magnesium and calcium in various samples.
Targets(IC <sub>50</sub> )	Others: None

## Solubility Information

Solubility	DMSO: 33.33 mg/mL (93.00 mM) H2O: 7.14 mg/mL (19.92 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.79 mL	13.952 mL	27.904 mL
5 mM	0.558 mL	2.79 mL	5.581 mL
10 mM	0.279 mL	1.395 mL	2.79 mL
50 mM	0.056 mL	0.279 mL	0.558 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Rasouli Z, et al. Simultaneously detection of calcium and magnesium in various samples by calmagite and chemometrics data processing. Spectrochim Acta A Mol Biomol Spectrosc. 2016 Dec 5;169:72-81.

Inhibitors · Natural Compounds · Compound Libraries

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