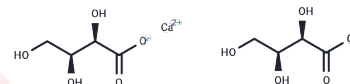


## Calcium L-Threonate

## Chemical Properties

CAS No. :	70753-61-6
Formula:	C <sub>8</sub> H <sub>14</sub> CaO <sub>10</sub>
Molecular Weight:	310.27
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	L-Threonic acid Calcium Salt is an anti-osteoporotic that stimulates ascorbic acid absorption and is commonly used in calcium supplements.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: Insoluble, H <sub>2</sub> O: 2.5 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	3.223 mL	16.115 mL	32.230 mL
5 mM	0.6446 mL	3.223 mL	6.446 mL
10 mM	0.3223 mL	1.6115 mL	3.223 mL
50 mM	0.0645 mL	0.3223 mL	0.6446 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

Harding JJ, et al. Sugars including erythronic and threonic acids in human aqueous humour. Curr Eye Res. 1999 Aug;19(2):131-6.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481