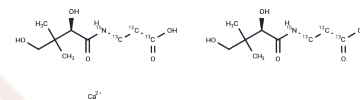


## Pantothenic acid-13C3,15N hemicalcium

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 356786-94-2   |
| Formula:          | C18H34CaN2O10   |
| Molecular Weight: | 486.491   |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |  |
|---------------|--|
| Description   | Pantothenic acid-13C3,15N hemicalcium is a version of D-Pantothenic acid labeled with 13C and 15N isotopes. Calcium pantothenate (TMSM-1075) is an essential micronutrient, serving as a precursor to coenzyme A (CoA). It plays a crucial role in numerous biological processes, including the regulation of carbohydrate, lipid, protein, and nucleic acid metabolism. |
| Targets(IC50) | Endogenous Metabolite  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.0555 mL | 10.2777 mL | 20.5554 mL |
| 5 mM  | 0.4111 mL | 2.0555 mL  | 4.1111 mL  |
| 10 mM | 0.2056 mL | 1.0278 mL  | 2.0555 mL  |
| 50 mM | 0.0411 mL | 0.2056 mL  | 0.4111 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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