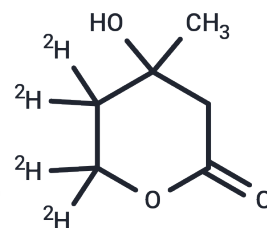


## DL-Mevalonolactone-d4

## Chemical Properties

CAS No. :	349553-98-6
Formula:	C <sub>6</sub> H <sub>10</sub> O <sub>3</sub>
Molecular Weight:	134.17
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	DL-Mevalonolactone-d4 ((±)-Mevalonolactone-d4) is a deuterium-labeled form of DL-Mevalonolactone. This compound, also known as (±)-Mevalonolactone or Mevalolactone, is the δ-lactone form of mevalonic acid and serves as a precursor in the mevalonate pathway. DL-Mevalonolactone is orally active against myopathy caused by HMGCR mutations and statins. Additionally, it induces inflammatory and oxidative stress responses, reduces mitochondrial membrane potential, and causes mitochondrial swelling.
Targets(IC50)	Endogenous Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.4532 mL	37.2662 mL	74.5323 mL
5 mM	1.4906 mL	7.4532 mL	14.9065 mL
10 mM	0.7453 mL	3.7266 mL	7.4532 mL
50 mM	0.1491 mL	0.7453 mL	1.4906 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481