

## Bempedoic acid-D4

## Chemical Properties

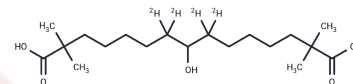
CAS No. :

Formula: C19H32D4O5

Molecular Weight: 348.51

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

Bempedoic acid-D4 is a deuterated compound of Bempedoic acid. Bempedoic acid (T3625) has a CAS number of 738606-46-7. ETC-1002, also known as ESP-55016 and Bempedoic acid, is an orally available, once-daily LDL-C lowering small molecule designed to lower elevated levels of LDL-C and to avoid side effects associated with existing LDL-C lowering therapies. Bempedoic acid (T3625) is absorbed rapidly in the small intestine and enters the liver through cell surface receptors different from those transporters that selectively take up statins. Bempedoic acid (T3625) is a regulator of lipid and carbohydrate metabolism.

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.8694 mL | 14.3468 mL | 28.6936 mL |
| 5 mM  | 0.5739 mL | 2.8694 mL  | 5.7387 mL  |
| 10 mM | 0.2869 mL | 1.4347 mL  | 2.8694 mL  |
| 50 mM | 0.0574 mL | 0.2869 mL  | 0.5739 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

- Nikolic D, et al. Atherosclerosis. 2014, 237(2):705-710.

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