

## Perfluoro(2-methyl-3-oxahexanoic) acid

### Chemical Properties

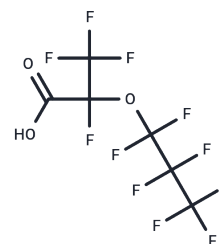
CAS No. : 13252-13-6

Formula: C<sub>6</sub>HF<sub>11</sub>O<sub>3</sub>

Molecular Weight: 330.05

Storage: Keep away from moisture, Store at low temperature  
 Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



### Biological Description

Description	Perfluoro(2-methyl-3-oxahexanoic) acid (HFPO-DA) is a perfluoroalkyl ether carboxylic acid (PFECA), a contaminant in seawater and river water that induces apoptosis and increases reactive oxygen species (ROS) levels.
Targets(IC50)	Others

### Solubility Information

Solubility	Ethanol: 8 mg/mL (24.24 mM), Sonication is recommended. DMSO: 8 mg/mL (24.24 mM), Sonication is recommended. PBS (pH 7.2): 8 mg/mL (24.24 mM), Sonication is recommended. DMF: 8 mg/mL (24.24 mM), Sonication is recommended. PBS pH 7.2: 10 mg/mL (30.3 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	3.0298 mL	15.1492 mL	30.2984 mL
5 mM	0.606 mL	3.0298 mL	6.0597 mL
10 mM	0.303 mL	1.5149 mL	3.0298 mL
50 mM	0.0606 mL	0.303 mL	0.606 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

Kang JK, et al. Comparative study on Perfluoro(2-methyl-3-oxahexanoic) acid removal by quaternary ammonium functionalized silica gel and granular activated carbon from batch and column experiments and molecular simulation-based interpretation. Sci Total Environ. 2024 May 20;926:171753.

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