

## TOFA-Plasmalogen

## Chemical Properties

CAS No. :

Formula: C33H62NO7P

Molecular Weight: 615.82

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	TOFA-Plasmalogen (compound 1), a derivative of glyceraldehyde, exhibits ferroptosis-inducing properties. This compound promotes lipid peroxidation in cell membranes, leading to cytotoxic effects with an inhibition concentration (IC 50 = 32.87 $\mu$ M).
Targets(IC50)	Ferroptosis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6239 mL	8.1193 mL	16.2385 mL
5 mM	0.3248 mL	1.6239 mL	3.2477 mL
10 mM	0.1624 mL	0.8119 mL	1.6239 mL
50 mM	0.0325 mL	0.1624 mL	0.3248 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.

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