

## S9-CMC1 TFA

## Chemical Properties

CAS No. :

Formula: C97H151F3N32O17S2

Molecular Weight: 2158.57

Keep away from moisture

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	S9-CMC1 TFA is a covalent peptide lysine-specific demethylase 1 (LSD1) inhibitor with an IC50 value of 2.53 $\mu$ M. It selectively targets the active site Cys360 of the enzyme. By inhibiting LSD1 activity, S9-CMC1 TFA elevates H3K4me1 and H3K4me2 levels, inducing G1 cell cycle arrest and apoptosis, thereby suppressing cell proliferation. In addition, S9-CMC1 TFA markedly inhibits tumor growth in A549 xenograft animal models.
Targets(IC50)	Apoptosis,Histone Demethylase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4633 mL	2.3163 mL	4.6327 mL
5 mM	0.0927 mL	0.4633 mL	0.9265 mL
10 mM	0.0463 mL	0.2316 mL	0.4633 mL
50 mM	0.0093 mL	0.0463 mL	0.0927 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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