

KH-176M

## Chemical Properties

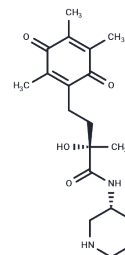
CAS No. : 2095304-61-1

Formula: C<sub>19</sub>H<sub>28</sub>N<sub>2</sub>O<sub>4</sub>

Molecular Weight: 348.44

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

KH176m serves as a selective inhibitor of microsomal prostaglandin E synthase-1 (mPGES-1), effectively suppressing mPGES-1 expression. It inhibits the growth of DU145-derived spheroids, but does not affect cells with low mPGES-1 expression such as LNCaP. As an antioxidant and redox modulator, KH176m demonstrates high efficacy in combating cardiac oxidative stress, with its impact varying according to the duration of ischemia. It holds potential therapeutic value in alleviating acute cardiac ischemia-reperfusion injury (IRI).

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8699 mL	14.3497 mL	28.6993 mL
5 mM	0.574 mL	2.8699 mL	5.7399 mL
10 mM	0.287 mL	1.435 mL	2.8699 mL
50 mM	0.0574 mL	0.287 mL	0.574 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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