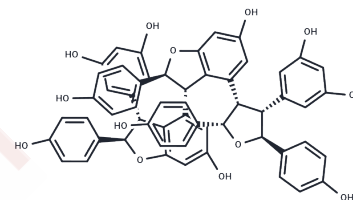


## Kobophenol A

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 124027-58-3   |
| Formula:          | C <sub>56</sub> H <sub>44</sub> O <sub>13</sub>   |
| Molecular Weight: | 924.94  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|                            |   |
|----------------------------|---|
| Description                | Kobophenol A has antimicrobial, and anti-inflammatory activities, it might be a candidate for treatment of inflammatory bone diseases relevant to osteoblast cell death. Kobophenol A inhibits AChE activity in a dose-dependent manner, and the IC <sub>50</sub> value is 115.8mM. Kobophenol A has protective effect against nitrosative/oxidative or mitochondrial damages resulted in the inhibition of the ROS, intracellular calcium ion level, and mitochondrial transmembrane potential changes on SH-SY5Y cells. |
| Targets(IC <sub>50</sub> ) | MMP,Bcl-2 Family,NF-κB,CDK,DNA/RNA Synthesis,JNK,p38 MAPK,PKC,ROS,SARS-CoV  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.0812 mL | 5.4058 mL | 10.8115 mL |
| 5 mM  | 0.2162 mL | 1.0812 mL | 2.1623 mL  |
| 10 mM | 0.1081 mL | 0.5406 mL | 1.0812 mL  |
| 50 mM | 0.0216 mL | 0.1081 mL | 0.2162 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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