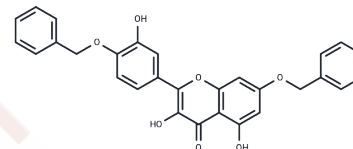


## RuDiOBn

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 13459-13-7  |
| Formula:          | C <sub>29</sub> H <sub>22</sub> O <sub>7</sub>  |
| Molecular Weight: | 482.481   |
| 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                | RuDiOBn exhibits low antioxidant activity by scavenging DPPH and ABTS free radicals with scavenging rates of 13.2% and 5.9% at a concentration of 100 µg/mL. It inhibits collagen glycation and reduces the formation of advanced glycation end-products (AGE) with an IC <sub>50</sub> of 2.45 µg/mL. RuDiOBn also enhances fibroblast proliferation and migration, stimulates collagen synthesis, and aids in skin repair and regeneration while inhibiting collagenase. |
| Targets(IC <sub>50</sub> ) | MMP, Reactive Oxygen Species   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.0726 mL | 10.3631 mL | 20.7262 mL |
| 5 mM  | 0.4145 mL | 2.0726 mL  | 4.1452 mL  |
| 10 mM | 0.2073 mL | 1.0363 mL  | 2.0726 mL  |
| 50 mM | 0.0415 mL | 0.2073 mL  | 0.4145 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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