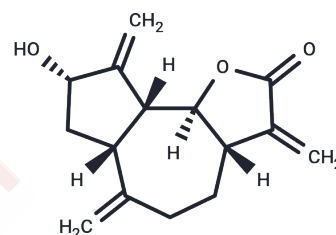


## Zaluzanin C

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 16838-87-2  |
| Formula:          | C <sub>15</sub> H <sub>18</sub> O <sub>3</sub>  |
| Molecular Weight: | 246.302   |
| 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   | Zaluzanin C is a sesquiterpene lactone exhibiting anti-inflammatory properties. It inhibits mtROS production and the NF-κB signaling pathway while reducing TNF-α production. Moreover, Zaluzanin C prevents the differentiation of 3T3-L1 preadipocytes into mature adipocytes. |
| Targets(IC50) | NF-κB, Reactive Oxygen Species, PPAR   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 4.0601 mL | 20.3004 mL | 40.6009 mL |
| 5 mM  | 0.812 mL  | 4.0601 mL  | 8.1202 mL  |
| 10 mM | 0.406 mL  | 2.030 mL   | 4.0601 mL  |
| 50 mM | 0.0812 mL | 0.406 mL   | 0.812 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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