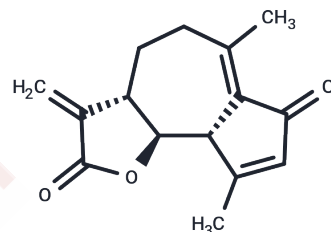


## Dehydroleucodine

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 36150-07-9  |
| Formula:          | C <sub>15</sub> H <sub>16</sub> O <sub>3</sub>  |
| Molecular Weight: | 244.29  |
| 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   | Dehydroleucodine has antidiarrheal, anti-inflammatory, anti-microbial, embryotoxicity, gastric cytoprotective, anti-cancer activities. Dehydroleucodine has an important inhibitory effect in cellular pathways regulating adipocyte differentiation by modulating the PPAR $\gamma$ expression, which is known to play a pivotal role during adipogenesis. Dehydroleucodine may be attributed to interference with multiple targets on the level of transcription factors, such as NF-kappaB, and cytokines. Dehydroleucodine induces a TP73-dependent transcriptional regulation of multiple cell death target genes in human glioblastoma cells. |
| Targets(IC50) | Apoptosis   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg      |
|-------|-----------|------------|-----------|
| 1 mM  | 4.0935 mL | 20.4675 mL | 40.935 mL |
| 5 mM  | 0.8187 mL | 4.0935 mL  | 8.187 mL  |
| 10 mM | 0.4093 mL | 2.0467 mL  | 4.0935 mL |
| 50 mM | 0.0819 mL | 0.4093 mL  | 0.8187 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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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481