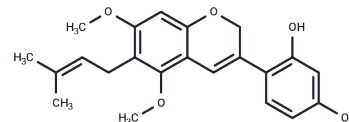


## Dehydroglyasperin D

### Chemical Properties

|                   |                                                          |
|-------------------|----------------------------------------------------------|
| CAS No. :         | 517885-72-2                                              |
| Formula:          | C22H24O5                                                 |
| Molecular Weight: | 368.42                                                   |
| Appearance:       | no data available                                        |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year |



### Biological Description

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description   | Dehydroglyasperin D exhibits anticancer, anti-inflammatory, anti-obesity, antioxidant and anti-aldose reductase effects, it inhibits the proliferation of HT-29 human colorectal cancer cells through direct interaction with phosphatidylinositol 3-kinase; it also mediates suppression of both COX-2 expression and the MLK3 signalling pathway through direct binding and inhibition of MLK3. Dehydroglyasperin D shows strong ferric reducing activities and effectively scavenged DPPH, ABTS(+), and singlet oxygen radicals. |
| Targets(IC50) | GSK-3, p38 MAPK, ROS, Akt, COX, PI3K, DNA/RNA Synthesis, Prostaglandin Receptor, JNK                                                                                                                                                                                                                                                                                                                                                                                                                                                |

### Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.7143 mL | 13.5715 mL | 27.1429 mL |
| 5 mM  | 0.5429 mL | 2.7143 mL  | 5.4286 mL  |
| 10 mM | 0.2714 mL | 1.3571 mL  | 2.7143 mL  |
| 50 mM | 0.0543 mL | 0.2714 mL  | 0.5429 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.

**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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