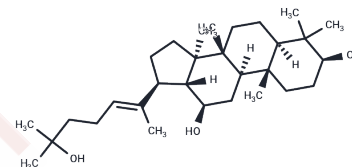


## Neopanaxadiol

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 1203590-03-7  |
| Formula:          | C <sub>30</sub> H <sub>52</sub> O <sub>3</sub>  |
| Molecular Weight: | 460.743   |
| 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   | Neopanaxadiol, an aglycone derived from protopanaxadiol type ginsenosides, exhibits promising potential for Alzheimer's disease research.   |
| Targets(IC50) | Others  |
| In vivo       | Neopanaxadiol, administered orally at a dosage of 30 mg/kg, exhibits a half-life (T <sub>1/2</sub> ) of 2.52 hours, a clearance rate (CL) of 5.44 L/h/kg, and a maximum concentration (C <sub>max</sub> ) of 913.44 ng/mL in the plasma of dogs[1]. |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.1704 mL | 10.8521 mL | 21.7042 mL |
| 5 mM  | 0.4341 mL | 2.1704 mL  | 4.3408 mL  |
| 10 mM | 0.217 mL  | 1.0852 mL  | 2.1704 mL  |
| 50 mM | 0.0434 mL | 0.217 mL   | 0.4341 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.

## Reference

Cong Geng, et al. Development and validation of an UPLC-Q/TOF-MS assay for the quantitation of neopanaxadiol in beagle dog plasma: Application to a pharmacokinetic study. Biomed Chromatogr. 2017 May;31(5).

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481