

Ginsenoside Rh2

Chemical Properties

CAS No. : 78214-33-2

Formula: C₃₆H₆₂O₈

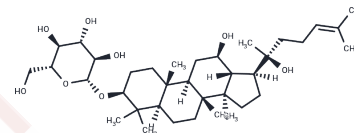
Molecular Weight: 622.87

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

| | |
|---------------|--|
| Description | Ginsenoside Rh2 (20(S)-Ginsenoside Rh2), an extract of red Panax ginseng, is a potent anti-inflammatory and anticancer drug. |
| Targets(IC50) | Apoptosis, EGFR, Caspase, Endogenous Metabolite |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 100 mg/mL (160.55 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+90% (20% SBE- β -CD in Saline): < 10 mg/mL (16.05 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+90% Corn oil: 10 mg/mL (16.05 mM), Solution. 10% DMSO+90% Saline: < 10 mg/mL (16.05 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: < 10 mg/mL (16.05 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 5% DMSO+40% PEG300+5% Tween 80+50% Saline: 2.5 mg/mL (4.01 mM), Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i> |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|------------|------------|-------------|
| 1 mM | 1.6055 mL | 8.0274 mL | 16.0547 mL |
| 5 mM | 0.3211 mL | 1.6055 mL | 3.2109 mL |
| 10 mM | 0.1605 mL | 0.8027 mL | 1.6055 mL |
| 50 mM | 0.0321 mL | 0.1605 mL | 0.3211 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

Zhang H, et al. Int J Clin Exp Pathol. 2015 May 1;8(5):4444-56.

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