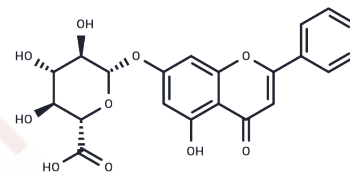


Chrysin-7-O-glucuronide

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 35775-49-6 |
| Formula: | C ₂₁ H ₁₈ O ₁₀ |
| Molecular Weight: | 430.36 |
| Storage: | 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 | Chrysin-7-O-glucuronide (Chrysin 7-O-beta-D-glucopyranuronoside) is a natural product, with antioxidant activity |
| Targets(IC50) | Antioxidant |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 150 mg/mL (348.55 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+90% Corn oil: 10 mg/mL (23.24 mM), Solution. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: < 10 mg/mL (23.24 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+90% (20% SBE-β-CD in Saline): < 10 mg/mL (23.24 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+90% Saline: < 10 mg/mL (23.24 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. <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 | 2.3236 mL | 11.6182 mL | 23.2364 mL |
| 5 mM | 0.4647 mL | 2.3236 mL | 4.6473 mL |
| 10 mM | 0.2324 mL | 1.1618 mL | 2.3236 mL |
| 50 mM | 0.0465 mL | 0.2324 mL | 0.4647 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

Li K, et al. Inhibitory effects against α -glucosidase and α -amylase of the flavonoids-rich extract from *Scutellaria baicalensis* shoots and interpretation of structure-activity relationship of its eight flavonoids by a refined assign-score method. *Chem Cent J*. 2018 Jul 12;12(1):82.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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