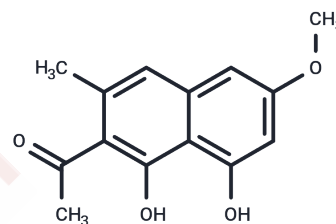


Torachryson

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 22649-04-3 |
| Formula: | C ₁₄ H ₁₄ O ₄ |
| Molecular Weight: | 246.26 |
| 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 | Torachryson shows promising antioxidant activity. Torachryson, toralactone, aloemodin, rhein and emodin show noticeable antibacterial effects on four strains of methicillin-resistant <i>Staphylococcus aureus</i> with a minimum inhibitory concentration of 2-64 micrograms/ml. |
| Targets(IC50) | Antifection |
| In vitro | The structures of the new compounds, rubrofusarin triglucoside (7), nor-rubrofusarin gentiobioside (9), demethylflavasperone gentiobioside (10), Torachryson gentiobioside (11), Torachryson tetraglucoside (12) and Torachryson apioglucoside (13), were elucidated on the basis of spectroscopic and chemical evidence. The effects of the phenolic glycosides, their aglycones and several other compounds structurally related to them on <i>Escherichia coli</i> K12, <i>Pseudomonas aeruginosa</i> PAO1 and some strains of <i>Staphylococcus aureus</i> were then examined. |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 4.0607 mL | 20.3037 mL | 40.6075 mL |
| 5 mM | 0.8121 mL | 4.0607 mL | 8.1215 mL |
| 10 mM | 0.4061 mL | 2.0304 mL | 4.0607 mL |
| 50 mM | 0.0812 mL | 0.4061 mL | 0.8121 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

Phenolic constituents of Cassia seeds and antibacterial effect of some naphthalenes and anthraquinones on methicillin-resistant *Staphylococcus aureus*. *Chem. Pharm. Bull.(Tokyo)*., 1999, 47(8): 1121-7.

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