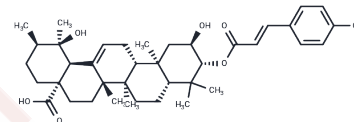


3-O-trans-p-Coumaroyltormentic acid

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 121064-78-6 |
| Formula: | C39H54O7 |
| Molecular Weight: | 634.84 |
| 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 | 3-O-(E)-p-coumaroyl tormentic acid may be promising lead compound for developing an effective drug for treatment of leukemia, it induces apoptotic cell death in human leukemia (HL60) via mainly mitochondrial pathway by, at least in part, Topo I inhibition. 3-O-trans-p-coumaroyltormentic acid shows cytotoxicity against four human tumor cell lines (A549, SK-OV-3, SK-MEL-2, and HCT-15) in vitro, the IC50 values of 13.72, 14.29, 14.61, 14.04 uM, respectively. 3beta-O-cis-p-Coumaroyltormentic acid, and 3beta-O-trans-p-coumaroyltormentic acid are weakly selective for vancomycin-resistant Enterococcus (VRE) compared with eukaryotic cells, with an MIC of 59.4microg/mL and a 50% inhibitory concentration (IC50) of 72.0microg/mL for monkey kidney epithelial (MA104) cells. A mixture of 3-O-cis-p-coumaroyltormentic acid and 3-O-trans-p-coumaroyltormentic acid shows an inhibitory effect comparable to (-)-epigallocatechin gallate (EGCG) of green tea on the activation of Epstein-Barr virus early antigen (EBV-EA) induced by 12-O-tetradeca--nonylphorbol-13-acetate (TPA). |
| Targets(IC50) | Caspase,Antifection |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 1.5752 mL | 7.876 mL | 15.752 mL |
| 5 mM | 0.315 mL | 1.5752 mL | 3.1504 mL |
| 10 mM | 0.1575 mL | 0.7876 mL | 1.5752 mL |
| 50 mM | 0.0315 mL | 0.1575 mL | 0.315 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.

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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