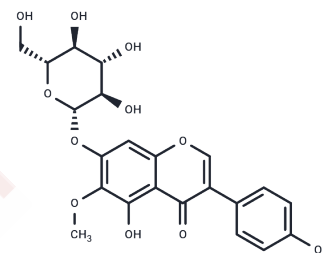


Tectoridin

Chemical Properties

CAS No. :	611-40-5
Formula:	C ₂₂ H ₂₂ O ₁₁
Molecular Weight:	462.40
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	Tectoridin (Shekanin) possesses an estrogenic and thyroid hormone-like agent by activating estrogen and thyroid hormone receptors. Tectoridin has anti-oxidant, anti-inflammatory and hypoglycemic activities; Tectoridin and its five metabolites inhibits the activities of lens aldose reductase in rat (IC : 1.4-15.5 μ M).
Targets(IC50)	Estrogen Receptor/ERR,Reductase

Solubility Information

Solubility	DMSO: 250 mg/mL (540.66 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.00 mg/mL (4.33 mM),Sonication is recommended. <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	2.1626 mL	10.8131 mL	21.6263 mL
5 mM	0.4325 mL	2.1626 mL	4.3253 mL
10 mM	0.2163 mL	1.0813 mL	2.1626 mL
50 mM	0.0433 mL	0.2163 mL	0.4325 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 Y, et al. Luminescence. 2016 Feb;31(1):38-46.

Qu J, et al. Fitoterapia. 2014 Dec;99:99-108.

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