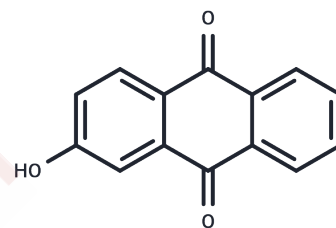


2-Hydroxyanthraquinone

Chemical Properties

CAS No. :	605-32-3
Formula:	C ₁₄ H ₈ O ₃
Molecular Weight:	224.21
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	2-Hydroxyanthraquinone is an acetylated beta-D-glucoside with antitumour and immunosuppressive activity.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 50 mg/mL (223.01 mM),Sonication is recommended. DMF: 5 mg/mL (22.3 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 mg/mL (8.92 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	4.4601 mL	22.3005 mL	44.601 mL
5 mM	0.892 mL	4.4601 mL	8.9202 mL
10 mM	0.446 mL	2.2301 mL	4.4601 mL
50 mM	0.0892 mL	0.446 mL	0.892 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

I Hilgert, et al. Antitumour and immunosuppressive activity of hydroxyanthraquinones and their glucosides. Folia Biol (Praha). 1977;23(2):99-109.

Kurihara, R., Shiraishi, F., Tanaka, N., et al. Presence and estrogenicity of anthracene derivatives in coastal Japanese waters Environ. Toxicol. Chem. 24(8)1984-1993(2005)

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