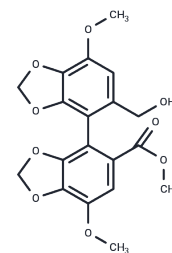


Bicyclol

Chemical Properties

CAS No. :	118159-48-1
Formula:	C19H18O9
Molecular Weight:	390.34
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	Bicyclol (SY801)(SY 801) is an anti-hepatitis drug. Oral administration of bicyclol normalizes the elevated serum transaminases (ALT, AST) by 50% in chronic viral hepatitis B and C, and also has a certain level of inhibiting HBV and HCV replication. In combination therapy of bicyclol with interferon alpha, lamivudine and adefovir dipivoxil in HBV or HCV, bicyclol may reduce YMDD mutant and side effects and increase the anti-viral efficacy.
Targets(IC50)	Apoptosis,ERK,Bcl-2 Family,HSP,HCV Protease,Ferroptosis,NF-κB,Reactive Oxygen Species,Microtubule Associated,CDK,Autophagy,GST,HBV,Interleukin,JNK,mTOR,p38 MAPK,P-gp,ROS,Serine/threonin kinase,TNF

Solubility Information

Solubility	DMSO: 250 mg/mL (640.47 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 10 mg/mL (25.62 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (25.62 mM),Solution. <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	2.5619 mL	12.8093 mL	25.6187 mL
5 mM	0.5124 mL	2.5619 mL	5.1237 mL
10 mM	0.2562 mL	1.2809 mL	2.5619 mL
50 mM	0.0512 mL	0.2562 mL	0.5124 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

- Walsh, S.W., Y. Wang, and A. Killian, AA-2414, an antioxidant and thromboxane receptor blocker, completely inhibits peroxide-induced vasoconstriction in the human placenta. *J Pharmacol Exp Ther*, 1999. 290(1): p. 220-6.
- Tian D, Wang F, Duan M, et al. Coumarin Analogues from the Citrus grandis(L.) Osbeck and Their Hepatoprotective Activity. *Journal of Agricultural and Food Chemistry*. 2019, 67(7): 1937-1947
- Danmei Tian, Fangfang Wang, Menglong Duan, Lingyun Cao, Youwei Zhang, Xin-Sheng Yao, and Jinshan Tang. Coumarin Analogues from the Citrus grandis(L.) Osbeck and Their Hepatoprotective Activity [J]. *Journal of agricultural and food chemistry*. 2019 Feb 20;67(7):1937-1947.
- Tian D, Wang F, Duan M, et al. Coumarin Analogues from the Citrus grandis(L.) Osbeck and Their Hepatoprotective Activity. *Journal of Agricultural and Food Chemistry*. 2019, 67(7): 1937-1947
- Tian D, Wang F, Duan M, et al. Coumarin analogues from the Citrus grandis (L.) osbeck and their hepatoprotective activity[J]. *Journal of agricultural and food chemistry*. 2019, 67(7): 1937-1947.

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