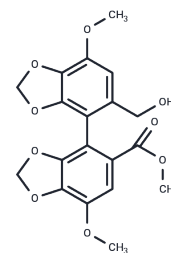


Bicyclol

Chemical Properties

CAS No. :	118159-48-1
Formula:	C ₁₉ H ₁₈ O ₉
Molecular Weight:	390.34
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



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)	Autophagy,HBV

Solubility Information

Solubility	DMSO: 50 mg/mL (128.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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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.

Reference

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- 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.
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