Guacetisal

Cat. No.: HY-17477

CAS No.: 55482-89-8

Molecular Formula: $C_{16}H_{14}O_5$

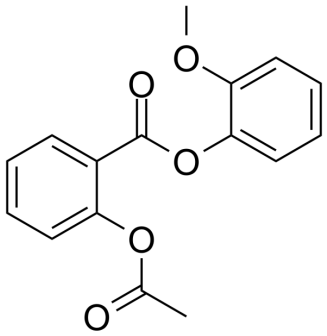
Molecular Weight: 286.28

Target: Others

Pathway: Others

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (349.31 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.4931 mL	17.4654 mL	34.9308 mL
	5 mM	0.6986 mL	3.4931 mL	6.9862 mL
	10 mM	0.3493 mL	1.7465 mL	3.4931 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (8.73 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (8.73 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (8.73 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Guacetisal is obtained from the esterification of acetylsalicylic acid with guaiacol which has the potential for chronic bronchitis treatment extracted from patent CN 106866420 A.

REFERENCES

[1]. Li, Junguang, et al. Guacetisal crystal form compound and its preparation method. CN 106866420 A.

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