5-O-(E)-p-Coumaroylquinic acid

Cat. No.: HY-N10543

CAS No.: 5746-55-4

Molecular Formula: $C_{16}H_{18}O_8$

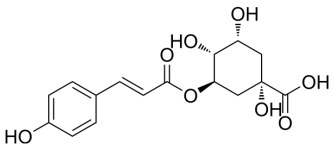
Molecular Weight: 338.31

Target: HBV

Pathway: Anti-infection

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 : 50 mg/mL (147.79 mM; Need ultrasonic and warming)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.9559 mL	14.7793 mL	29.5587 mL
	5 mM	0.5912 mL	2.9559 mL	5.9117 mL
	10 mM	0.2956 mL	1.4779 mL	2.9559 mL

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

BIOLOGICAL ACTIVITY

Description

5-O-(E)-p-Coumaroylquinic acid, a quinic acid derivative, is a potent phytochemical agent against hepatitis B virus[1].

In Vitro

5-O-(E)-p-Coumaroylquinic acid (compound 12) reduces HBV DNA level in the release of mature HBV particles from HepG2.2.15 cultivation[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kim KH, et, al. Isolation of quinic acid derivatives and flavonoids from the aerial parts of Lactuca indica L. and their hepatoprotective activity in vitro. Bioorg Med Chem Lett. 2007 Dec 15;17(24):6739-43.

Caution: Product has not been fully validated for medical applications. For research use only.

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