

4,5-Dicaffeoylquinic acid

Catalog No: tcsc3771



Available Sizes

Size: 5mg

Size: 10mg



Specifications

CAS No:

57378-72-0

Formula:

$C_{25}H_{24}O_{12}$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

Isochlorogenic acid C

Observed Molecular Weight:

516.45

Product Description

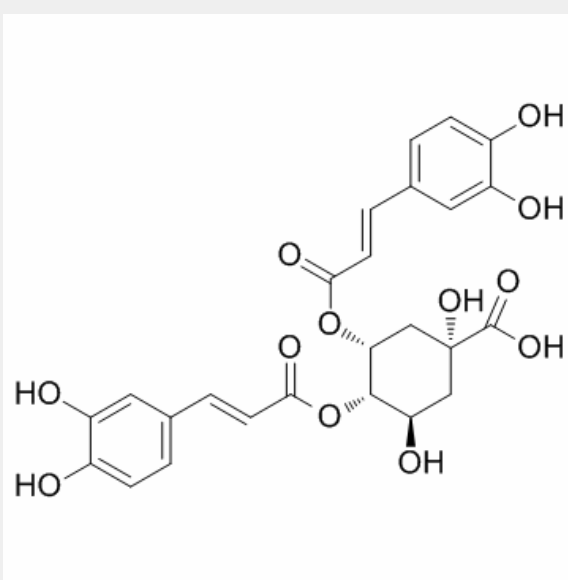
4,5-Dicaffeoylquinic acid (Isochlorogenic acid C) possesses potent hepatoprotective and anti-HBV effects.

IC50 value:

Target: Anti-hepatitis natural produce.

In vitro: To study anti-hepatitis effect of isochlorogenic acid C, anti-apoptotic and anti-injury properties of test compound were evaluated. The results showed that test compound at concentrations of 10 to 100 µg/ml significantly reduced the caspase-3 and transformed growth factor β 1 (TGF β 1) levels of the D-GalN-challenged hepatocytes. Also, test compound improved markedly cell viability of the D-GalN-injured hepatocytes and produced a maximum protection rate of 47.28% at a concentration of 100 µg/ml. Furthermore, test compound significantly inhibited productions of HBsAg and HBeAg. Its maximum inhibitory rates on the HBsAg and HBeAg expressions were 86.93 and 59.79%, respectively. In addition, test compound significantly induced the HO-1 expression of HepG2.2.15 cells [1].

In vivo:



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