

Helioxanthin derivative 5-4-2

Catalog No: tcsc3197



Available Sizes

Size: 5mg

Size: 10mg



Specifications

CAS No:

203935-39-1

Formula:

$C_{20}H_{13}NO_5$

Pathway:

Anti-infection

Target:

HBV

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

Helioxanthin 5-4-2

Observed Molecular Weight:

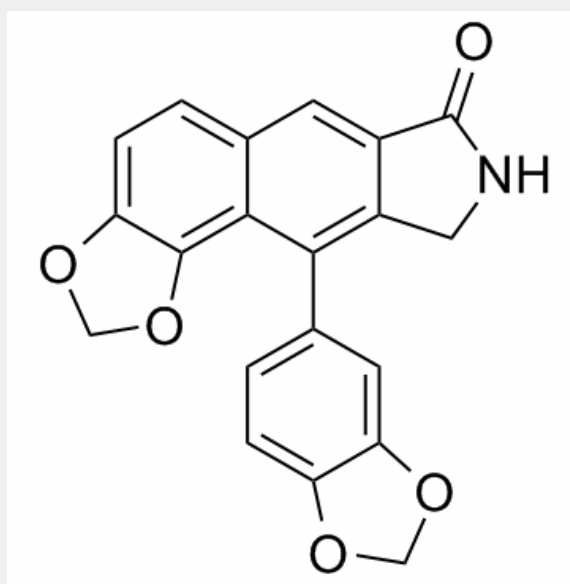
347.32

Product Description

Helioxanthin derivative 5-4-2 is an analogue of helioxanthin, exhibits significant in vitro anti-HBV activity with EC₅₀ of 0.08 uM in HepG2.2.15 cells.

Target: Anti-HBV

Helioxanthin derivative 5-4-2 had potent anti-HBV activities in HepG2.2.15 cells, with the EC₅₀s of 1 and 0.08 microM, respectively. The lamivudine-resistant HBV, L526M/M550V double mutant strain, was also sensitive to helioxanthin and 5-4-2. This class of compounds not only inhibited HBV DNA, but also decreased HBV mRNA and HBV protein expression. The EC₅₀ of HBV DNA inhibition was consistent with the EC₅₀ of HBV 3.5 Kb transcript inhibition, which was 1 and 0.09 microM for helioxanthin and 5-4-2 respectively.



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