

Helioxanthin 8-1

Catalog No: tcsc3198



Available Sizes

Size: 5mg

Size: 10mg



Specifications

CAS No:

840529-13-7

Formula:

$C_{20}H_{12}N_2O_6$

Pathway:

Anti-infection

Target:

HBV

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

Helioxanthin analogue 8-1

Observed Molecular Weight:

376.32

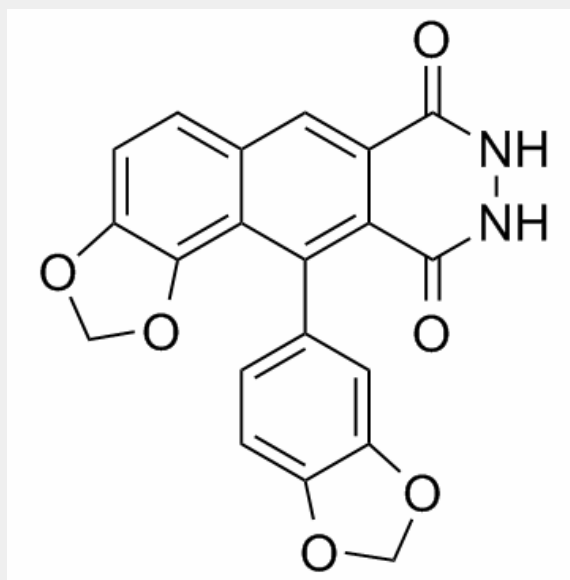
Product Description

Helioxanthin 8-1 is an analogue of helioxanthin, exhibits significant in vitro anti-HBV/HCV/HSV-1/HIV activity with EC50 of >5/10/1.4/15 μ M.

IC50 value: >5/10/1.4/15 uM(HBV/HCV/HSV-1/HIV) [1]

Target: Antiviral agent

The cyclic hydrazide 28(Helioxanthin 8-1) showed the most potent antiHBV activity among those helioxanthin analogues tested. In addition, compound 28 exhibited moderately potent activity against HIV. It would therefore be promising to study helioxanthin analogues that contain a six-membered ring instead of the five-membered ring found in the lactam [1]. 8-1 exhibited effective inhibition on DHBV replication. The combination of 8-1 with 3TC resulted in additional anti-DHBV activity. Viral induced cells displayed higher susceptibility to 8-1 treatment than non-induced cells. HBV X protein might not be an essential factor in the initiation of the biological activity of 8-1, as demonstrated by its absence in DHBV [2].



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