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**Product Data Sheet**

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Product Name: Helioxanthin

Cat. No.: GC10418

**Chemical Properties**

Cas. No. 18920-47-3

Formula C<sub>20</sub>H<sub>12</sub>O<sub>6</sub> M.Wt 348.31

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Helioxanthin (ACH126447) is a novel inhibitor of HBV, HCV and HSV-1 virus with EC50 values of 1 μM, 3 μM and 2 μM, respectively [1].

Helioxanthin has shown significant antiviral effect on HBV, HCV and HSV-1 virus in vitro with EC50 values of 1 μM, 3 μM and 2 μM, respectively. In a cell culture model, the level of HBV RNA, the expression of HBV antigen and its replication were all reduced by helioxanthin. Besides, helioxanthin has been exhibited to have a low cytotoxicity on both MT-223 and CEM24 cell lines with ID50 values of 2.5 μM and 31 μM, respectively [1].

Reference:

[1] Yeo H1, Li Y, Fu L, Zhu JL, Gullen EA, Dutschman GE, Lee Y, Chung R, Huang ES, Austin DJ, Cheng YC. Synthesis and antiviral activity of helioxanthin analogues. J Med Chem. 2005 Jan 27;48(2):534-46.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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