

Product Data Sheet

Product Name: Dihydrocurcumin

Cat. No.: GC38535

Chemical Properties

Cas. No. 76474-56-1

SMILES O=C(/C=C(O)/C=C/C1=CC=C(O)C(OC)=C1)CCC2=CC=C(O)C(OC)=C2

Formula $C_{21}H_{22}O_6$

M.Wt 370.4

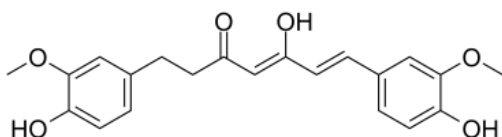
Solubility Soluble in DMSO

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

Dihydrocurcumin, a major metabolite of curcumin, reduces lipid accumulation and oxidative stress. Dihydrocurcumin regulates mRNA and protein expression levels of SREBP-1C, PNPLA3 and PPAR α , increases protein expression levels of pAKT and PI3K, and reduced the levels of cellular NO and ROS via Nrf2 signaling pathways[1].

[1]. Yu Q, et al. Dihydrocurcumin ameliorates the lipid accumulation, oxidative stress and insulin resistance in oleic acid-induced L02 and HepG2 cells. Biomed Pharmacother. 2018 Jul;103:1327-

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

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