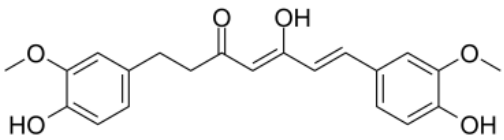
Product Data Sheet

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 metabolites of curcumin, reduces lipid accumulation and oxidative stress. Dihydrocurcumin regulates mRNA and protein expression levels of SREBP-1C, PNPLA3 and PPARα, 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.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

1336.