

Product Data Sheet

Product Name: Dimethoxycurcumin

Cat. No.: GC40629

Chemical Properties

Cas. No. 160096-59-3

SMILES COC1=C(OC)C=C(/C=C/C(CC(/C=C/C2=CC=C(OC)C(OC)=C2)=O)=O)C=C1

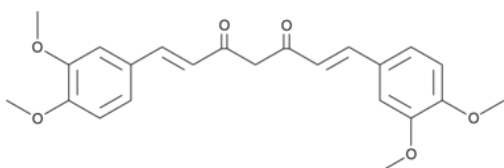
Formula $C_{23}H_{24}O_6$ M.Wt 396.4

Solubility DMF: 10 mg/ml, DMF:PBS(pH 7.2) (1:2): 0.30 mg/ml, DMSO: 5 mg/ml, Ethanol: 0.25 mg/ml
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 sizes: ship with RT, or blue ice upon request.

Structure



Background

Naturally occurring phytochemicals such as turmeric (curcumin) have been found to inhibit the growth of tumor cells. Dimethoxycurcumin is an analog of curcumin obtained by methylation of both free phenolic groups in the parent compound. A 30-fold increase in potency was observed in the growth suppression of HCT116 tumor cells following this modification.

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