
Product Data Sheet

Product Name: Tetramethylcurcumin

Cat. No.: GC39022

Chemical Properties

Cas. No. 52328-97-9

SMILES COC1=C(C=CC(/C=C/C(C(C)(C)C(/C=C/C2=CC(OC)=C(OC)C=C2)=O)=O)=C1)OCFormula C₂₅H₂₈O₆ M.Wt 424.49

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**

Tetramethylcurcumin (FLLL31), a small-molecule signal transducer and activator of transcription 3 (STAT3) inhibitor derived from curcumin, binds selectively to Janus kinase 2 and the STAT3 Src homology-2 domain, which serve crucial roles in STAT3 dimerization and signal transduction.

[1] Lin L, et al. Cancer Res. 2010 Mar 15;70(6):2445-54.

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

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