

Hexahydrocurcumin

Catalog No: tcsc4377



Available Sizes

Size: 5mg



Specifications

CAS No:

36062-05-2

Formula:

$C_{21}H_{26}O_6$

Pathway:

Immunology/Inflammation

Target:

COX

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

374.43

Product Description

Hexahydrocurcumin is a natural compound which possesses anticancer and anti-inflammatory activities; selective COX-2 inhibitor.

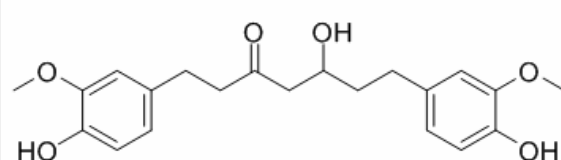
IC50 value:

Target:

in vitro: The relative antioxidant potencies of ginger compounds decreased in similar order of 1-dehydro-[6]-gingerdione, hexahydrocurcumin>6-shogaol>6-dehydroshogaol in both 1,1-diphenyl-2-picrylhydrazyl (DPPH) radical-scavenging and trolox equivalent antioxidant capacity (TEAC) assays [1]. HHC alone markedly decreased the viability of HT-29 human colon cancer cells

compared to control. HHC significantly down-regulates COX-2 mRNA expression compared to the control (control: $100.05\% \pm 0.03\%$ vs HHC: $61.01\% \pm 0.35\%$, P

in vivo: The combined effects of HHC with 5-FU exhibit a synergistic inhibition by decreasing ACF formation mediated by down-regulation of COX-2 expression in rats [3].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!