Product Name: C75 trans
CAS No.: 191282-48-1
Cat. No.: HY-12364A
MWt: 254.32
Formula: C14H22O4
Purity: >98%
Solubility: DMSO

Mechanisms:
Pathways: Others; Target: Others

Biological Activity:
C75 trans is the trans form of C75; C75 is a potent fatty-acid synthase (FASN) inhibitor with IC50 of 35.4 μM (LNCaP cell Proliferation inhibition). IC50 value: 35.4 μM (LNCaP cell) [1]
Target: fatty-acid synthase inhibitor
in vitro: C75 exhibited apoptosis induction by reducing the levels of fatty acid without any change in the abundance of FASN expression along with increasing ROS production [2]. C75 treatment decreased LA content, impaired mitochondrial function, increased reactive oxygen species content, and reduced cell viability. HsmtKAS but not FASN knockdown had an effect that was similar to C75 treatment. In addition, an LA supplement efficiently inhibited C75-induced mitochondrial dysfunction and oxidative stress [3].
in vivo: C75 (5 mg/kg body weight) or dimethyl sulfoxide (DMSO) (vehicle) was administered intraperitoneally from d 2 to 6. C75 significantly re...

References:
...

Caution: Not fully tested. For research purposes only

Medchemexpress LLC
www.medchemexpress.com

11 Deer Park Drive, Suite 102D Monmouth Junction, NJ 08852,USA
Tel: 609–228–6898 Fax: 609–228–5909 Email: info@medchemexpress.com Web: www.medchemexpress.com