

Product Data Sheet

Product Name: Licofelone

Cat. No.: GC38196

Chemical Properties

Cas. No. 156897-06-2

SMILES O=C(O)CC1=C(C2=CC=C(Cl)C=C2)C(C3=CC=CC=C3)=C4N1CC(C)(C)C4

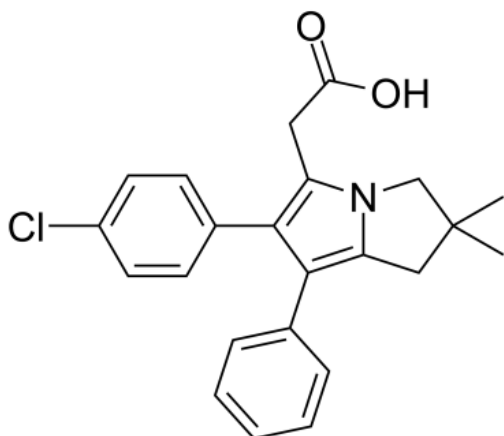
Formula $C_{23}H_{22}ClNO_2$ M.Wt 379.88

Solubility DMSO: 25 mg/mL (65.81 mM) 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

Licofelone (ML-3000) is a dual COX/5-lipoxygenase (5-LOX) inhibitor for the treatment of osteoarthritis. Licofelone (ML-3000) exerts anti-inflammatory and anti-proliferative effects. Licofelone (ML-3000) induces apoptosis, and decreases the production of proinflammatory leukotrienes and prostaglandins[1][2].

[1]. Tavorari S, et al. Licofelone, a dual COX/5-LOX inhibitor, induces apoptosis in HCA-7 colon cancer cells through the mitochondrial pathway independently from its ability to affect the arachidonic

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

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acid cascade. Carcinogenesis. 2008 Feb;29(2):371-80. [2]. Alvaro-Gracia JM, et al. Licofelone--clinical update on a novel LOX/COX inhibitor for the treatment of osteoarthritis. Rheumatology (Oxford). 2004 Feb;43 Suppl 1:i21-5.

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