

Product Data Sheet

Product Name: Loxoprofen

Cat. No.: GC36482

Chemical Properties

Cas. No. 68767-14-6

SMILES O=C1C(CCC1)CC2=CC=C(C(C)C(O)=O)C=C2

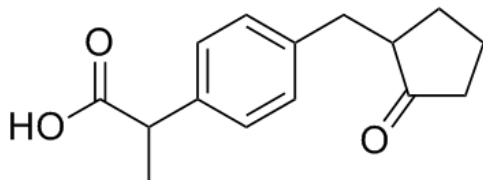
Formula $C_{15}H_{18}O_3$ M.Wt 246.3

Solubility DMSO: ≥ 100 mg/mL (406.01 mM) Storage Store at RT

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

Loxoprofen is a non-steroidal anti-inflammatory drug. Target: COX. Loxoprofen is a non-steroidal anti-inflammatory drug in the propionic acid derivatives group, which also includes ibuprofen and naproxen among others. Loxoprofen is a non-selective cyclooxygenase inhibitor, and works by reducing the synthesis of prostaglandins from arachidonic acid. COX-1|6.5 μ M (IC₅₀, in human whole blood)|COX-2|13.5 μ M (IC₅₀, in human whole blood)

[1]. Riendeau D, et al. Evaluation of loxoprofen and its alcohol metabolites for potency and selectivity

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

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of inhibition of cyclooxygenase-2. Bioorg Med Chem Lett. 2004 Mar 8;14(5):1201-3.

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