

Product Data Sheet

Product Name: Flobufen
Cat. No.: GC72794

Chemical Properties

Cas. No. 112344-52-2

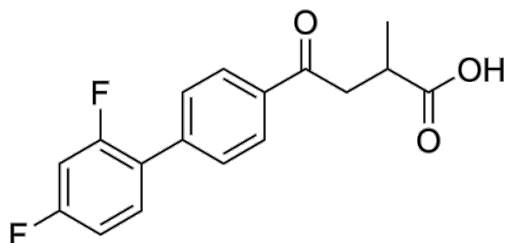
Formula $C_{17}H_{14}F_2O_3$ M.Wt 304.29

Solubility DMSO : 40 mg/mL (131.45 mM);
ultrasonic and adjust pH to 9 with 1
M NaOH) Storage -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the
tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or
Condition blue ice upon request.

Structure



Background

Flobufen (VUFB 16066) is a non-steroidal anti-inflammatory agent and cyclooxygenase (COX) and 5-lipoxygenase (5-LOX) inhibitor agent. Flobufen inhibits alloantigen-driven cellular immune responses and stimulates phagocytosis of peritoneal cells. Flobufen can improve immunopathological disorders and has an inhibitory effect on rheumatoid arthritis.

References:

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

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- [1]. Kvasnicková E, et al. Metabolic pathways of flobufen-a new antirheumatic and antiarthritic drug. Interspecies comparison. Exp Toxicol Pathol. 1999 Jul;51(4-5):352-6.
- [2]. Panajotova V, et al. Pharmacological profile of the novel potent antirheumatic 4-(2',4'-difluorobiphenyl-4-yl)-2-methyl-4-oxobutanoic acid. Arzneimittelforschung.
- [3]. Drsata J, et al. Inhibice dekarboxylázy aromatických aminokyselin protizánětlivými látkami flobufenem a kyselinou 2',4'-difluorbifenyl-4-yloctovou [Inhibition of aromatic amino acid decarboxylases by the anti-inflammatory agent flobufen and 2',4'-difluorbiphenyl-4-acetic acid]. Cesk Farm. 1989 Nov;38(9):407-10.

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