

Product Name : Polmacoxib

Synonyms : CG-100649

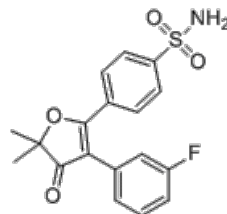
Cat No. : M13942

CAS Number : 301692-76-2

Molecular Formula : C₁₂H₁₆FNO₄S

Formula Weight : 361.39

Chemical Name : 4-(3-(3-fluorophenyl)-5,5-dimethyl-4-oxo-4,5-dihydrofuran-2-yl)benzenesulfonamide



Description : Polmacoxib (CG-100649) is a novel NSAID proposed to inhibit both COX-2 and carbonic anhydrase (CA)-I/-II; inhibits premalignant and malignant colorectal lesions in mouse models, partly through inhibiting tumor cell proliferation; induces the G2/M cell cycle arrest in colon cancer cells, and inhibits the tumor growth in colon cancer xenograft in nude mice. Rheumatoid Arthritis Approved

Pathway : Chromatin/Epigenetic

Target : COX

Receptor : COX

Solubility : —

SMILES : O=S(C1=CC=C(C(OC2(C)C)=C(C3=CC=CC(F)=C3)C2=O)C=C1)(N)=O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Skarke C, et al. Clin Pharmacol Ther. 2012 Jun;91(6):986-93. | 2. Kim SH, et al. Invest New Drugs. 2014 Dec;32(6):1105-1112. | 3. Woo JK, et al. Oncol Rep. 2015 Apr;33(4):1947-55.