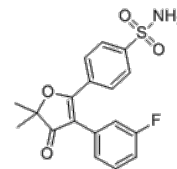


Product Name : Polmacoxib
Cat. No. : PC-63065
CAS No. : 301692-76-2
Molecular Formula : C₁₂H₁₆FNO₄S
Molecular Weight : 361.39
Target : Cyclooxygenase (COX)
Solubility : 10 mM in DMSO



Biological Activity

Polmacoxib (CG-100649) is a novel NSAID proposed to inhibit both **COX-2** and carbonic anhydrase (CA)-I/-II.

Polmacoxib inhibits premalignant and malignant colorectal lesions in mouse models, partly through inhibiting tumor cell proliferation.

Polmacoxib induces the G2/M cell cycle arrest in colon cancer cells, and inhibits the tumor growth in colon cancer xenograft in nude mice.

References

Skarke C, et al. Clin Pharmacol Ther. 2012 Jun;91(6):986-93.

Kim SH, et al. Invest New Drugs. 2014 Dec;32(6):1105-1112.

Woo JK, et al. Oncol Rep. 2015 Apr;33(4):1947-55.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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