Tolkenamic acid is a non-steroidal anti-inflammatory drug (NSAID) that exhibits anti-inflammatory, analgesic, and anticancer chemotherapeutic activities; it inhibits COX-1 and COX-2. Tolkenamic acid inhibits leukotriene B4 (LTB4) production, degranulation, and migration in polymorphonuclear leukocytes. Tolkenamic acid also downregulates expression of cyclin D1, increases ER stress, and induces apoptosis in colorectal cancer cells, inhibiting tumor growth in vivo. Additionally, tolkenamic acid also decreases expression of VEGF, VEGFR1, HGFR/c-MET, survivin, Bcl-2, and Sp proteins in cellular models of colorectal cancer.

References


Caution: This product is intended for laboratory and research use only. It is not for human or drug use.