



## Product Information

**Product ID** S8146

**CAS No.** 59864-04-9

**Chemical Name** 5-Fluoro-2-methyl-1-((4-(methylsulfonyl)phenyl)-methylene)-1H-indene-3-acetic acid

**Synonym** Exisulind

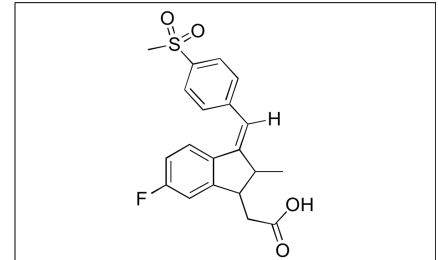
**Formula** C<sub>20</sub>H<sub>17</sub>FO<sub>4</sub>S

**Formula Wt.** 372.41

**Melting Point** 248-250°C

**Purity** ≥98%

**Solubility** Soluble in DMSO or ethanol.



## Pricing and Availability

*Bulk quantities available upon request*

Product ID	Size	List Price
S8146	50 mg	\$136.50
S8146	250 mg	\$393.20
S8146	500 mg	\$635.70

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Sulindac is a non-steroidal anti-inflammatory drug (NSAID) that inhibits COX-1 and COX-2. Sulindac exhibits anti-inflammatory, tocolytic, neuroprotective, anti-metastatic, and anticancer chemotherapeutic activities. In vitro, sulindac inhibits phosphodiesterases (PDEs), increasing levels of cGMP and activation of PKG and inhibiting expression of β-catenin. In animal models of ischemic stroke, sulindac decreases infarct size and increases expression of Akt, Bcl-2, and HSP 27. This compound inhibits invasion of breast cancer cells and colon cancer cells by decreasing NF-κB-mediated transcription of several miRNAs. Additionally, sulindac downregulates expression of STAT3 and survivin and decreases cell proliferation and tumor growth in cellular and animal models of laryngeal cancer.

**References** Modi JP, Gharibani PM, Ma Z, et al. Protective mechanism of sulindac in an animal model of ischemic stroke. *Brain Res.* 2014 Aug 12;1576:91-9. PMID: 24968090.

Li N, Xi Y, Tinsley HN, et al. Sulindac selectively inhibits colon tumor cell growth by activating the cGMP/PKG pathway to suppress Wnt/β-catenin signaling. *Mol Cancer Ther.* 2013 Sep;12(9):1848-59. PMID: 23804703.

Li X, Gao L, Cui Q, et al. Sulindac inhibits tumor cell invasion by suppressing NF-κB-mediated transcription of microRNAs. *Oncogene.* 2012 Nov 29;31(48):4979-86. PMID: 22286762.

Scheper MA, Nikitakis NG, Chaisuparat R, et al. Sulindac induces apoptosis and inhibits tumor growth in vivo in head and neck squamous cell carcinoma. *Neoplasia.* 2007 Mar;9(3):192-9. PMID: 17401459.

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