

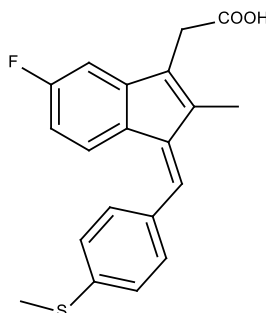
Catalog # 10-2156

Sulindac Sulfide

CAS# 49627-27-2

(Z)-5-Fluoro-2-methyl-1-[p-(methylthio)benzylidene]indene-3-acetic acid

Lot # X101227



Active metabolite of cyclooxygenase inhibitor sulindac.¹ Strongly inhibits Ras induced malignant transformation and Ras/Raf dependent transactivation.² Induces apoptosis in cancer cells via PDE5 inhibition.^{3,4} Modulates beta-catenin mediated effects.⁵

- 1) Duggan et al. (1977) *Identification of the biologically active form of sulindac.* J.Pharmacol.Exp.Ther.. **201** 8
- 2) Herrmann et al. (2000) *Sulindac sulfide inhibits Ras signaling* Nature **17** 1769
- 3) Tinsley et al. (2010) *Colon tumor cell growth inhibitory activity of sulindac sulfide and other NSAIDS is associated with PDE5 inhibition* Cancer Prev.Res. **3** 1303
- 4) Tinsley et al. (2011) *Inhibition of PDE5 by sulindac sulfide selectively induces apoptosis and attenuates oncogenic Wnt/ β -catenin mediated transcription in human breast tumor cells* Cancer Prev.Res. **4** 1275
- 5) Bravi et al. (2015) *Sulindac metabolites decrease cerebrovascular malformations in CCM3-knockout mice;* Proc. Natl. Acad. Sci. USA, **112** 8421

PHYSICAL DATA

Molecular Weight:	340.41
Molecular Formula:	C ₂₀ H ₁₇ FO ₂ S
Purity:	>98% by TLC (10% Methanol/methylene chloride; R _f = 0.50) NMR: Conforms
Solubility:	DMSO (at least 25 mg/mL)
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.