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
4) Tinsley et al. (2011) Inhibition of PDE5 by sulindac sulfide selectively induces apoptosis and attenuates oncogenic Wnt/\(\beta\)-catenin mediated transcription in human breast tumor cells Cancer Prev.Res. 4 1275

**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.

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