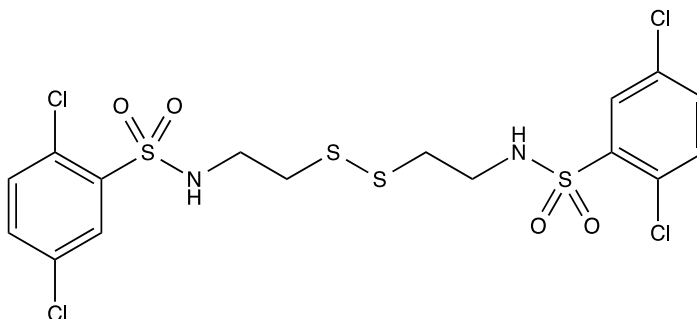


Catalog # 10-4714

KC7F2

CAS# 927822-86-4

N,N-(Dithiodi-2,1-ethanediyl)bis[2,5-dichlorobenzenesulfonamide
Lot # FBS1075



KC7F2 is an inhibitor of HIF-1 α (IC₅₀ = 20 μ M).¹ It inhibited HIF-mediated transcription in cells derived from glioma, breast, and prostate cancers. The mechanism of action of KC7F2 is *via* down-regulation of HIF-1 α protein synthesis accompanied by suppression of phosphorylation of eukaryotic translation initiation factor 4E binding protein 1 and p70 S6 kinase, key regulators of HIF-1 α protein synthesis.

- 1) Narita *et al.* (2009), *Identification of a Novel Small Molecule HIF-1 α Translation Inhibitor*; Clin.Cancer Res. **15** 6128

PHYSICAL DATA

| | |
|------------------------|--|
| Molecular Weight: | 570.38 |
| Molecular Formula: | C ₁₆ H ₁₆ Cl ₄ N ₂ O ₄ S ₄ |
| Purity: | >98% by HPLC |
| | NMR: (Conforms) |
| Solubility: | DMSO (> 25 mg/mL) |
| Physical Description: | Off-white solid |
| Storage and Stability: | Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month. |

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