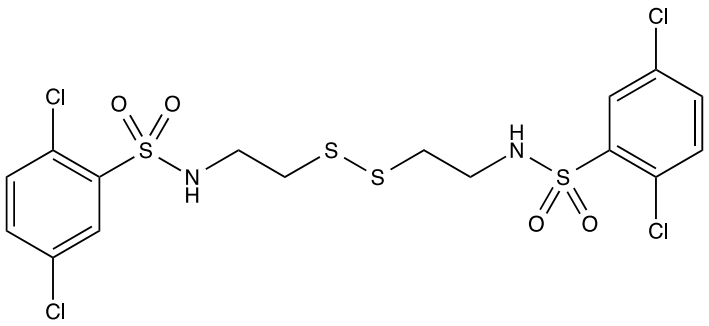
Catalog # 10-4714

KC7F2

CAS# 927822-86-4

N,*N*'-(Dithiodi-2,1-ethanediyl)bis[2,5-dichlorobenzenesulfonamide

Lot # FBS1075



KC7F2 is an inhibitor of HIF-1α (IC_{50} = 20 μM).[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-1α protein synthesis accompanied by suppression of phosphorylation of eukaryotic translation initiation factor 4E binding protein 1 and p70 S6 kinase, key regulators of HIF-1α protein synthesis.

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

PHYSICAL DATA

Molecular Weight:	570.38
Molecular Formula:	$C_{16}H_{16}Cl_4N_2O_4S_4$
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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