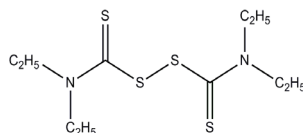


PRODUCT: Disulfiram**ALTERNATE NAME:** 1,1',1'',1'''-[disulfanediybis(carbonothioylnitrilo)]tetraethane;
Tetraethylthiuram disulfide; *is*(diethylthiocarbamyoyl)disulfide**CATALOG #:** 2308-50, 250**AMOUNT:** 50 mg, 250 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₀H₂₀N₂S₄**MOLECULAR WEIGHT:** 296.54**CAS NUMBER:** 97-77-8**APPEARANCE:** Pale yellow solid**SOLUBILITY:** DMSO (~ 6 mg/ml) or Ethanol (~ 30 mg/ml)**PURITY:** ≥97% by titration**STORAGE:** At -20° C. Protect from air and light**DESCRIPTION:** An alcohol dehydrogenase inhibitor used for the treatment of chronic alcoholism. Suppresses the invasive ability of osteosarcoma cells via the inhibition of MMP-2 and MMP-9 expression. Also inhibits JMJD2A, a 2-oxoglutarate dependent N(epsilon)-methyl lysine histone demethylase, by disruption of its Zn-binding site. Inhibits MERS-CoV and SARS-CoV PL protease in biochemical assays.**REFERENCES:** Sekirnik, R., *et al.* (2009). *Chem. Commun.* **42**, 6376-6378.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Caffeic acid (Cat. No. 2303-50, 250)

GSK-J4 hydrochloride (Cat. No. 2259-1, 5)

GSK-J1 sodium (Cat. No. 2260-1, 5)

IOX1 (Cat. No. 2266-5, 25)

β-Lapachone (Cat. No. 2262-5, 25)

2,4-PDCA (Cat. No. 2304-100, 500)

Tranylcypromine hemisulfate (Cat. No. 1816-25, 100)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**