PRODUCT: **Necrosis Inhibitor, Necrox-2**

ALTERNATE NAME: [5-{1,1-Dioxo-thiomorpholin-4-ylmethyl}-2-phenyl-1H-indol-7-yl]-{1-methanesulfonyl-piperidin-4-yl}-amine

CATALOG #: 2228-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE: 

MOLECULAR FORMULA: C_{25}H_{32}N_{4}O_{4}S_{2}

MOLECULAR WEIGHT: 516.67

CAS NUMBER: N/A

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (>10 mg/ml)

PURITY: ≥95% by HPLC

STORAGE: At -20 °C. Protect from light and moisture

DESCRIPTION: A cell-permeable necrosis inhibitor that displays antioxidant property. It localizes mostly in the mitochondria. Selectively blocks oxidative stress-induced necrotic cell death (0.1 µM NecroX-2 prevented ~50% cell death in H9C2 cells exposed to 400 µM t-BuOOH for 2 hours). Does not protect against staurosporine or etoposide-induced apoptosis. Protects cells against cold shock, hypoxia and oxidative stress in vitro.


HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- Necrostatin-1 (Cat. No. 1864-5, 25)
- Necrostatin-5 (Cat. No. 1865-5, 25)
- Necrostatin-7 (Cat. No. 1866-5, 25)
- Necrox-5 (Cat. No. 2229-1, 5)

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