

PRODUCT: Necrosis Inhibitor, Necrox-2

RELATED PRODUCTS:

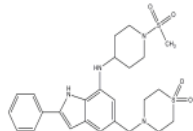
ALTERNATE NAME: [5-(1,1-Dioxo-thiomorpholin-4-ylmethyl)-2-phenyl-1*H*-indol-7-yl]-(1-methanesulfonyl-piperidin-4-yl)-amine

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)

CATALOG #: 2228-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₅H₃₂N₄O₄S₂

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*.

REFERENCE: Kim, H.J., *et al.* (2010). *Arch. Pharm. Res.* **33**, 1813-1823.

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

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