PRODUCT: Necrosulfonamide

ALTERNATE NAME: (2E)-N-[4-[[3-Methoxy-2-pyrazinyl]amino]sulfonyl]phenyl]-3-(5-nitro-2-thienyl)-2-propenamide; NSA

CATALOG #: 9635-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:

MOLECULAR FORMULA: C_{18}H_{15}N_{5}O_{6}S_{2}

MOLECULAR WEIGHT: 461.47

CAS#: 1360614-48-7

APPEARANCE: Yellow solid

SOLUBILITY: DMSO (>5 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C. Protect from air and light

DESCRIPTION: Necrosulfonamide is a potent necroptosis inhibitor. It blocks mixed lineage kinase domain-like protein (MLKL), a critical substrate of receptor-interacting serine-threonine kinase 3 (RIP3) during necrosis. Prevents MLKL-RIP1-RIP3 necrosome complex from interacting with downstream necrosis effectors. Unlike Necrostatin-1 (Cat. No. 1864), NSA does not inhibit the necrosis-induced RIP1 and RIP3 interactions.


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-2 (Cat. No. 2228-1, 5)
- Necrox-5 (Cat. No. 2229-1, 5)
- Nec-1s (Cat. No. 2263-1, 5)
- EZSolution™ Nec-1s (Cat. No. 2535-1)

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