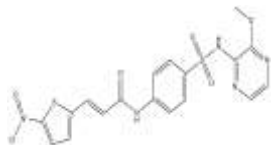


**PRODUCT: Necrosulfonamide****ALTERNATE NAME:** (2E)-N-[4-[[[3-Methoxy-2-pyrazinyl)amino]sulfonyl]phenyl]-3-(5-nitro-2-thienyl)-2-propenamide; NSA**CATALOG #:** 9635-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>18</sub>H<sub>15</sub>N<sub>5</sub>O<sub>6</sub>S<sub>2</sub>**MOLECULAR 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.**REFERENCE:** Sun, L., *et al.* (2012). *Cell* **148**, 213-227.**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!**