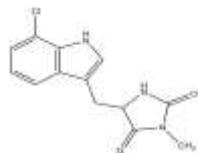


**PRODUCT: Nec-1s****ALTERNATE NAME:** 5-((7-Cl-1H-indol-3-yl)methyl)-3-methylimidazolidine-2,4-dione; 7-Cl-O-Nec-1**CATALOG #:** 2263-1, 5**AMOUNT:** 1 mg, 5 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>13</sub>H<sub>12</sub>ClN<sub>3</sub>O<sub>2</sub>**MOLECULAR WEIGHT:** 277.71**CAS NUMBER:** 852391-15-2**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO**PURITY:** ≥96% by TLC and LC-MS**STORAGE:** At -20° C. Protect from light and moisture**DESCRIPTION:** A potent necroptosis inhibitor. Displays higher activity in inhibiting necroptosis in Jurkat cells than Nec-1 (Cat. No. 1864) (EC<sub>50</sub> = 210 nM versus EC<sub>50</sub> = 490 nM), as well as showing no nonspecific cytotoxicity at high concentrations (~100 mM). More useful for in-cell and in vivo experiments compared to Nec-1.**REFERENCE:** Degeterev, A., *et al.* (2005). *Nat. Chem. Biol.* **1**, 112-119; Teng, X., *et al.* (2005). *Bioorg. Med. Chem.* **15**, 5039-5044.**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)

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