



## CERTIFICATE of ANALYSIS

**PRODUCT:** **Necrostatin-1**  
[5-(1H-Indol-3-ylmethyl)-3-methyl-2-thioxo-4-imidazolidinone; Methylthiohydantoin-DL-tryptophan; Nec-1],  
C<sub>13</sub>H<sub>13</sub>N<sub>3</sub>OS, M.W. 259.33, CAS# [4311-88-0]

**PRODUCT NUMBER:** N-1227

**LOT NUMBER:** C1157

**APPEARANCE:** Yellow solid

**SOLUBILITY:** DMSO (~ 25 mg/ml) or EtOH (~ 6 mg/ml)

**PURITY (TLC):** ≥ 98%

**DESCRIPTION:** Inhibits necroptosis, a non-apoptotic cell death pathway. Does not inhibit FAS-induced apoptosis and has no effect on apoptotic morphology. Inhibits RIP1 kinase, the key upstream kinase involved in the activation of necroptosis (EC<sub>50</sub> = 180 nM).

**STORAGE & HANDLING:** Store at -20°C. **PROTECT FROM LIGHT!**

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: DD