

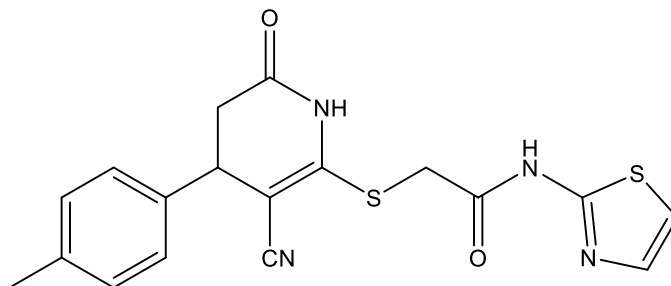
Catalog # 10-4684

Necrostatin-34

CAS# 375835-43-1

2-[[5-Cyano-4-(4-methylphenyl)-2-oxo-3,4-dihydro-1H-pyridin-6-yl]sulfanyl]-N-(1,3-thiazol-2-yl)acetamide; 2-((3-Cyano-6-oxo-4-(p-tolyl)-1,4,5,6-tetrahydropyridin-2-yl)thio)-N-(thiazol-2-yl)acetamide; Nec-34

Lot # FBS4018



Necrostatin-34 is a selective inhibitor of RIP1 kinase. IC_{50} s = 667 nM and 134 nM for TNF α in FAD-deficient Jurkat cells and L929 cells respectively. It binds to a site distinct from that of 7-Cl-O-Nec1 (Focus Cat# 10-4544) locking the enzyme in an inactive conformation. Necrostatin-34 acts synergistically with 7-Cl-O-Nec1 to inhibit necroptosis.

1) Meng *et al.* (2021), *Discovery of a cooperative mode of inhibiting RIPK1 kinase*; Cell Discov. **7** 41

PHYSICAL DATA

Molecular Weight: 384.47
Molecular Formula: C₁₈H₁₆N₄O₂S₂
Purity: >98% by HPLC
NMR: (Conforms)
Solubility: DMSO (>25 mg/ml)
Physical Description: Off-white solid
Storage and Stability: Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.