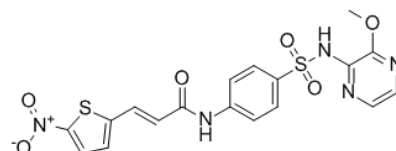


Product Name : Necrosulfonamide
Cat. No. : PC-42202
CAS No. : 1360614-48-7
Molecular Formula : C₁₈H₁₅N₅O₆S₂
Molecular Weight : 461.4716
Target : Mixed Lineage Kinase (MLK)
Solubility : DMSO: ≥ 28 mg/mL



Biological Activity

Necrosulfonamide is a small molecule covalent inhibitor of **mixed lineage kinase domain like protein (MLKL)** that specifically blocks necrosis downstream of RIP3 activation.

Necrosulfonamide also is a direct chemical inhibitor of gasdermin D (**GSDMD**), the pyroptotic pore-forming protein, which binds directly to gasdermin D to inhibit pyroptosis.

Necrosulfonamide binds within the N-terminal 178 residues of human MLKL.

Necrosulfonamide arrests necrosis at a specific step at which RIP3 formed discrete punctae in cells.

References

Sun L, et al. **Cell**. 2012 Jan 20;148(1-2):213-27.

Mulay SR, et al. **Nat Commun**. 2016 Jan 28;7:10274.

Chen S, et al. **Apoptosis**. 2017 May;22(5):626-638.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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