

Product Name : Necrosulfonamide

Synonyms : —

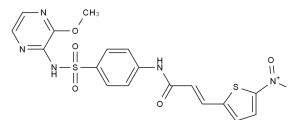
Cat No. : M11482

CAS Number : 1360614-48-7

Molecular Formula : C₁₈H₁₅N₅O₆S₂

Formula Weight : 461.47

Chemical Name : 2-Propenamamide, N-[4-[(3-methoxy-2-pyrazinyl)amino]sulfonyl]phenyl]-3-(5-nitro-2-thienyl)-, (2E)-



Description : A small molecule covalent inhibitor of mixed lineage kinase domain like protein (MLKL) that specifically blocks necrosis downstream of RIP3 activation; binds within the N-terminal 178 residues of human MLKL; arrests necrosis at a specific step at which RIP3 formed discrete punctae in cells.

Pathway : MAPK/ERK Signaling

Target : MLK

Receptor : necrosis(MLKL)

Solubility : DMSO: ≥ 28 mg/mL

SMILES : COC1=NC=CN=C1NS(=O)(=O)C2=CC=C(C=C2)NC(=O)/C=C/C3=CC=C(S3)[N+](=O)[O-]

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Sun L, et al. Cell. 2012 Jan 20;148(1-2):213-27. | 2. Mulay SR, et al. Nat Commun. 2016 Jan 28;7:10274. | 3. Chen S, et al. Apoptosis. 2017 May;22(5):626-638.