
Catalog	Unit
TBI4860-5MG	5 mg
TBI4860-25MG	25 mg

Product Details

Formal Name: (2E)-N-[4-[[3-Methoxy-2-pyrazinyl]amino]sulfonyl]phenyl]-3-(5-nitro-2-thienyl)-2-propenamide

Molecular Formula: C₁₈H₁₅N₅O₆S₂

Formula Weight: 461.47

CAS Number: 1360614-48-7

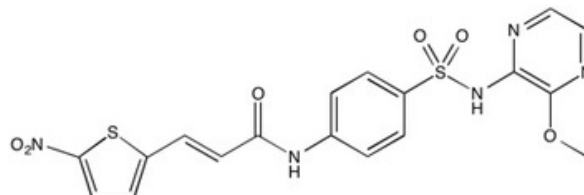
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 10 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Pyroptosis / necroptosis inhibitor; MLKL pseudokinase inhibitor

Functions

Specifically blocks necroptosis downstream of RIP3 activation by preventing MLKL-RIP3 interaction. Displays neuroprotective effects after ischemic brain injury. Prevents cystine-starvation-induced necroptosis and ferroptosis in human triple negative breast cancer cells. Binds to gasdermin D inhibiting pyroptosis and associated inflammatory cell death and sepsis. Rescues cells from TLR3 ligand-induced death.

Application Procedures

First dissolved in DMSO (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.