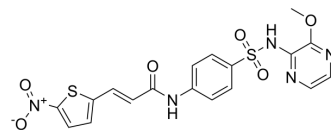


## (E/Z)-Necrosulfonamide

Cat. No.:	HY-100573A
CAS No.:	432531-71-0
Molecular Formula:	C <sub>18</sub> H <sub>15</sub> N <sub>5</sub> O <sub>6</sub> S <sub>2</sub>
Molecular Weight:	461.47
Target:	Mixed Lineage Kinase
Pathway:	MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

(E/Z)-Necrosulfonamide is a racemic compound of [Necrosulfonamide](#) (HY-100573). Necrosulfonamide is a necroptosis inhibitor acting by selectively targeting the mixed lineage kinase domain-like protein (MLKL). Necrosulfonamide prevents MLKL-RIP1-RIP3 necrosome complex from interacting with its downstream effectors. MLKL is a critical substrate of RIP3 during the induction of necrosis<sup>[1][2]</sup>.

### REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.
- [2]. Sun L, et al. Mixed lineage kinase domain-like protein mediates necrosis signaling downstream of RIP3 kinase. *Cell.* 2012;148(1-2):213-227.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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