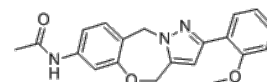


**Product Name** : LDC7559  
**Cat. No.** : PC-38284  
**CAS No.** : 2407782-01-6  
**Molecular Formula** : C<sub>20</sub>H<sub>19</sub>N<sub>3</sub>O<sub>3</sub>  
**Molecular Weight** : 349.39  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

LDC7559 is a small molecule that efficiently blocks NET formation and GSDMD-mediated pyroptotic cell death in human cells, also is an inhibitor of NOX2-dependent NETosis.

LDC7559 inhibits NETosis independent of GSDMD but elicit identical phenotypes in neutrophils.

LDC7559 inhibits the NOX2-dependent oxidative burst in neutrophils by activating the glycolytic enzyme phosphofructokinase-1 liver type (**PFKL**).

## References

Neri Amara, et al. Cell. 2021 Aug 19;184(17):4480-4494.e15.

Gabriel Sollberger, et al. Sci Immunol. 2018 Aug 24;3(26):eaar6689.

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

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