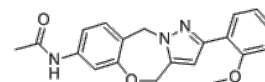


Product Name : LDC7559
Cat. No. : PC-38284
CAS No. : 2407782-01-6
Molecular Formula : C₂₀H₁₉N₃O₃
Molecular Weight : 349.39
Target : Other Targets
Solubility : 10 mM in DMSO



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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