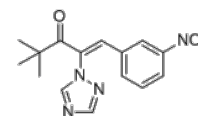


Product Name : Nexinhib20
Cat. No. : PC-60847
CAS No. : 331949-35-0
Molecular Formula : C₁₅H₁₆N₄O₃
Molecular Weight : 300.318
Target : Small GTPase
Solubility : 10 mM in DMSO



Biological Activity

Nexinhib20 is a specific small molecule **neutrophil exocytosis** inhibitor (IC₅₀=0.33 uM) that specifically inhibits **Rab27a-JFC1 binding** (IC₅₀=2.6 uM) but does not interfere with the interaction of other Rab GTPases and effectors.

Nexinhib20 does not induce apoptosis or cell death, regulates exocytosis-dependent neutrophil functions and inhibits MPO secretion from human neutrophils.

Nexinhib20 also reversibly and potently inhibits extracellular production of superoxide anion and the up-regulation of activation signature molecules, including CD11b and CD66b.

Nexinhib20 significantly decreased tissue infiltration by inflammatory neutrophils in vivo.

References

Johnson JL, et al. *J Biol Chem*. 2016 Dec 9;291(50):25965-25982.

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

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