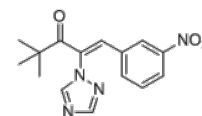


**Product Name** : Nexinhib 20  
**Cat. No.** : PC-60847  
**CAS No.** : 331949-35-0  
**Molecular Formula** : C<sub>15</sub>H<sub>16</sub>N<sub>4</sub>O<sub>3</sub>  
**Molecular Weight** : 300.318  
**Target** : Small GTPase  
**Solubility** : 10 mM in DMSO



## Biological Activity

Nexinhib 20 is a novel small molecule **neutrophil exocytosis** inhibitor (IC<sub>50</sub>=0.33 μM) that specifically inhibits **Rab27a-JFC1 binding** (IC<sub>50</sub>=2.6 μM) but does not interfere with the interaction of other Rab GTPases and effectors.

Nexinhib 20 does not induce apoptosis or cell death, regulates exocytosis-dependent neutrophil functions and inhibits MPO secretion from human neutrophils.

Nexinhib 20 also reversibly and potently inhibits extracellular production of superoxide anion and the up-regulation of activation signature molecules, including CD11b and CD66b.

Nexinhib 20 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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