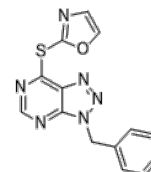


Product Name : VAS3947
Cat. No. : PC-27684
CAS No. : 869853-70-3
Molecular Formula : C₁₄H₁₀N₆OS
Molecular Weight : 310.34
Target : NADPH Oxidase (NOX)
Solubility : 10 mM in DMSO



Biological Activity

VAS3947 is a specific pan-NADPH oxidase (NOX) inhibitor with IC₅₀ of 86.8, 5.6, 30.5 and 39.2 μM for NOX1, 2, 4 and 5 respectively.

VAS3947 attenuated ROS formation in aortas of spontaneously hypertensive rats (SHRs).

VAS3947 attenuates platelet activation and thrombus formation via a NOX-independent pathway downstream of PKC.

References

Lu WJ, et al. Sci Rep. 2019 Dec 11;9(1):18852.

Wind S, et al. Br J Pharmacol. 2010 Oct;161(4):885-98.

Hecht N, et al. Eur J Pharm Biopharm. 2017 Jun;115:206-217.

Joana Reis, et al. Redox Biol. 2020 May;32:101466.

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

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