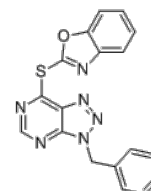


**Product Name** : VAS-2870  
**Cat. No.** : PC-60724  
**CAS No.** : 722456-31-7  
**Molecular Formula** : C<sub>18</sub>H<sub>12</sub>N<sub>6</sub>OS  
**Molecular Weight** : 360.395  
**Target** : NADPH Oxidase (NOX)  
**Solubility** : 10 mM in DMSO



## Biological Activity

VAS2870 (VAS-2870) potent, specific **NADPH oxidase (Nox)** inhibitor, completely abolishes PDGF-mediated NAD(P)H oxidase activation and ROS production at 10-20 uM in vascular smooth muscle cells (VSMC).  
VAS-2870 abrogates thalidomide stimulation of cardiomyogenesis;  
VAS-2870 also impairs cell growth and enhances TGF-β-induced apoptosis of liver tumor cells.

## References

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Stielow C, et al. *Biochem Biophys Res Commun*. 2006 May 26;344(1):200-5.  
Sancho P, et al. *Biochem Pharmacol*. 2011 Apr 1;81(7):917-24.  
Kleinschnitz C, et al. *PLoS Biol*. 2010 Sep 21;8(9). pii: e1000479.

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

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