# VAS-2870

## NADPH oxidase inhibitor

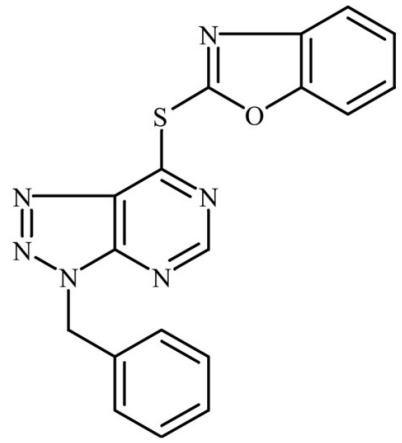
Novel inhibitor of NAD(P)H oxidase (Nox). In vascular smooth muscle cells VAS-2870 completely abolished PDGF-mediated NAD(P)H oxidase activation and ROS production (100% at 10μM). It inhibits PDGF-induced chemotaxis but not proliferation of VSMC. In mouse embryonic stem cells VAS-2870 blocked PDGF-BB-induced vasculogenesis. OxLDL-induced ROS formation in human endothelial cells was completely inhibited by VAS-2870 (100% at 5μM). VAS-2870 inhibits PMS-induced oxidative burst in HL-60 cells ($IC_{50}$=2μM).

**Citations:** 14 View Online »

## Ordering Information Order Online »

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|---|---|
| **BML-EI395-0010** | 10mg |
| **BML-EI395-0050** | 50mg |

## Manuals, SDS & CofA View Online »

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## Handling & Storage

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|---|---|
| **Use/Stability** | As indicated on product label or CoA when stored as recommended. Store solutions at -20°C for up to 3 months. |
| **Long Term Storage** | Ambient |
| **Shipping** | Ambient Temperature |

## Regulatory Status

RUO - Research Use Only

## Product Details

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|---|---|
| **Alternative Name** | 3-Benzyl-7-(2-benzoxazolyl)thio-1,2,3-triazolo(4,5-d)pyrimidine |
| **Appearance** | White to off-white solid. |
| **CAS** | 722456-31-7 |
| **Couple Target** | NADPH oxidase |
| **Couple Type** | Inhibitor |
| **Formula** | $C_{18}H_{12}N_6OS$ |
| **Identity** | Determined by NMR. |
| **MW** | 360.4 |
| **Purity** | ≥98% (HPLC) |
| **Solubility** | Soluble in DMSO (up to 10mg/ml) or DMF (up to 25mg/ml). |

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