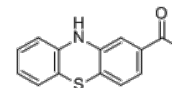


**Product Name** : ML 171  
**Cat. No.** : PC-60723  
**CAS No.** : 6631-94-3  
**Molecular Formula** : C<sub>14</sub>H<sub>11</sub>NOS  
**Molecular Weight** : 241.31  
**Target** : NADPH Oxidase (NOX)  
**Solubility** : 10 mM in DMSO



## Biological Activity

ML 171 is a potent, specific, cell-active NADPH oxidase1 (**Nox1**) inhibitor that strongly blocks ROS generation in HT29 cells with IC<sub>50</sub> of 0.129 μM.

ML 171 shows only marginal activity on other cellular ROS-producing enzymes and receptors including the other Nox isoforms.

ML 171 also blocks the ROS-dependent formation of ECM-degrading invadopodia in colon cancer cells.

## References

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Martínez-Revelles S, et al. *Antioxid Redox Signal*. 2013 Jan 1;18(1):51-65.

Walsh TG, et al. *Redox Biol*. 2014 Jan 13;2:178-86.

Gianni D, et al. Probe Reports from the NIH Molecular Libraries Program [Internet].

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

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