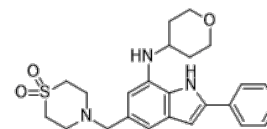


**Product Name** : Necrox-7  
**Cat. No.** : PC-22708  
**CAS No.** : 1120332-55-9  
**Molecular Formula** : C<sub>24</sub>H<sub>29</sub>N<sub>3</sub>O<sub>3</sub>S  
**Molecular Weight** : 439.57  
**Target** : Apoptosis Inducer  
**Solubility** : 10 mM in DMSO



## Biological Activity

NecroX-7 (NecX, NecroX 7) is a small molecule **necrosis** inhibitor by inhibiting high-mobility group box 1 protein (**HMGB1**) release.

NecroX-7 attenuated the hepatocyte lethality caused by hepatic IR injury in a large animal setting.

NecroX-7 inhibited the HMGB1-induced release of tumor necrosis factor-alpha (TNF- $\alpha$ ), interleukin (IL)-1 $\beta$ , and macrophage inflammatory protein (MIP)-1 $\beta$ , as well as the expression of p53-upregulated modulator of apoptosis (PUMA) and the excessive inflammatory microenvironment, including nuclear factor-kB (NF-kB) pathways.

NecroX-7 reduces necrotic core formation in atherosclerotic plaques of Apoe knockout mice.

## References

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Im KI, et al. *Mucosal Immunol*. 2019 Sep;12(5):1070-1081.

Lee JH, et al. *Transplant Proc*. 2016 Dec;48(10):3406-3414.

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

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