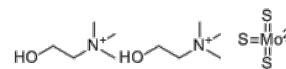


**Product Name** : ATN-224  
**Cat. No.** : PC-61677  
**CAS No.** : 649749-10-0  
**Molecular Formula** : C<sub>10</sub>H<sub>28</sub>MoN<sub>2</sub>O<sub>2</sub>S<sub>4</sub>  
**Molecular Weight** : 432.542  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

ATN-224 (Choline tetrathiomolybdate, WTX-101) is a specific, high-affinity **copper binder** that inhibits CuZn superoxide dismutase 1 (**SOD1**) with IC<sub>50</sub> of 0.33 μM against purified bovine SOD1, leading to antiangiogenic and antitumour effects. ATN-224 shows no binding to calcium, iron, magnesium, zinc, or manganese ions at 1 mM. ATN-224 inhibits HUVEC proliferation with IC<sub>50</sub> 1.4 μM. ATN-224 shows a potential therapy against Wilson's disease.

## References

- Juarez JC, et al. *Clin Cancer Res.* 2006 Aug 15;12(16):4974-82.  
Doñate F, et al. *Br J Cancer.* 2008 Feb 26;98(4):776-83.  
Calderon-Aparicio A, et al. *Oncotarget.* 2015 Oct 6;6(30):29771-81.

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

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