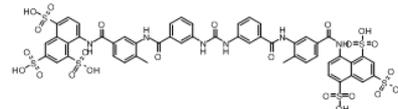


**Product Name** : Suramin  
**Cat. No.** : PC-46930  
**CAS No.** : 145-63-1  
**Molecular Formula** : C<sub>51</sub>H<sub>40</sub>N<sub>6</sub>O<sub>23</sub>S<sub>6</sub>  
**Molecular Weight** : 1297.28  
**Target** : P2Y Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

Suramin sodium salt (BAY-205, NF-060) is an antitrypanosomal drug that also possesses antitumor activity, inhibits CRL (**Cullin-RING E3 ubiquitin ligases**) activity by disrupting its ability to recruit Cdc34.

Suramin also potently inhibits **sirtuins**: SirT1 (IC<sub>50</sub>=297 nM), SirT2 (IC<sub>50</sub>=1.15 μM), and SirT5 (IC<sub>50</sub>=22 μM).

Suramin induces accumulation of CRL substrates.

Suramin also inhibits multiple viruses (ZIKVs, EV71).

## References

Wu K, et al. *Proc Natl Acad Sci U S A*. 2016 Apr 5;113(14):E2011-8.

Ren P, et al. *Sci Rep*. 2017 Feb 20;7:42902.

Albulescu IC, et al. *Antiviral Res*. 2017 Jul;143:230-236.

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

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