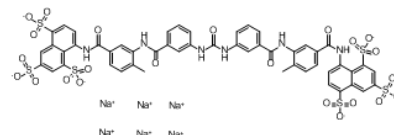


Product Name : Suramin sodium salt
Cat. No. : PC-46931
CAS No. : 129-46-4
Molecular Formula : $C_{51}H_{34}N_6Na_6O_{23}S_6$
Molecular Weight : 1429.171
Target : E3 Ubiquitin Ligase
Solubility :



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 (IC₅₀=297 nM), SirT2 (IC₅₀=1.15 μM), and SirT5 (IC₅₀=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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