

Product Name	: Suramin sodium salt
Synonyms	: Suramin hexasodium salt;BAY-205;NF-060
Cat No.	: M11191
CAS Number	: 129-46-4
Molecular Formula	: C ₅₁ H ₃₄ N ₆ Na ₆ O ₂₃ S ₆
Formula Weight	: 1429.17
Chemical Name	: 1,3,5-Naphthalenetrisulfonic acid, 8,8'-[carbonylbis[imino-3,1-phenylenecarbonylimino(4-methyl-3,1-phenylene)carbonylimino]]bis-, sodium salt (1:6)
Description	: 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; induces accumulation of CRL substrates; also inhibits multiple viruses (ZIKVs, EV71).Parasite Infection Approved
Pathway	: Proteasome/Ubiquitin
Target	: E3 Ubiquitin Ligase
Receptor	: Topoll
Solubility	: H ₂ O: ≥ 200 mg/mL; DMSO: 5.6 mg/mL (Need warming)
SMILES	: <chem>O=C(C1=CC=C(C)C(NC(C2=CC(NC(NC3=CC(C(NC4=C(C)C=CC(C(NC5=C(C(S(=O)([O-])=O)=CC(S(=O)([O-])=O)=C6)C6=C(S(=O)([O-])=O)C=C5)=O)=C4)=O)=CC=C3)=O)=CC=C2)=O)=C1)NC7=CC=C(S(=O)([O-])=O)C8=C7C(S(=O)([O-])=O)=CC(S(=O)([O-])=O)=C8.[Na+].[Na+].[Na+].[Na+].[Na+].[Na+]</chem>
Storage	: (-20℃)
Stability	: ≥ 2 years
Reference	:

1. Wu K, et al. Proc Natl Acad Sci U S A. 2016 Apr 5;113(14):E2011-8. | 2. Ren P, et al. Sci Rep. 2017 Feb 20;7:42902. | 3. Albulescu IC, et al. Antiviral Res. 2017 Jul;143:230-236.

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