



Formula: C₅₁H₃₄N₆O₂₃S₆

MW: 1291.25

Salt: 6Na⁺

CAS: 129-46-4

IUPAC: 8-[(4-methyl-3-[[3-({N-[3-(N-{2-methyl-5-[N-(4,6,8-trisulfonaphthyl)carbamoyl]phenyl}carbamoyl)phenyl]carbamoyl}amino)phenyl]carbonylamino}phenyl)carbonylamino]naphthalene-1,3,5-trisulfonic acid

Smiles:

c1cc(S(=O)(=O)[O-])c2c(c1NC(c1cc(c(cc1)C)NC(c1cccc(NC(Nc3cccc(C(Nc4cc(C(Nc5ccc(c6c5c(ccc6)S([O-])(=O)=O)S([O-])(=O)=O)S([O-])(=O)=O)ccc4C)=O)c3)=O)c1)=O)=O)c(cc(S([O-])(=O)=O)c2)S([O-])(=O)=O

THERAPEUTIC CATEGORY: Anthelmintic, antiprotozoal

VET THERAP CATEGORY: antiprotozoal

ACCEPTORS: 23

DONORS: 6

ROTATION BONDS: 4

N+O: 29

Chiral Centers: 0

LogP: 3.85

LogS: -8.43

LIPINSKI: 1

Synonyms: SURAMINE SODIUM SALT;SURAMIN HEXASODIUM SALT;SURAMIN SODIUM;SURAMIN SODIUM SALT;1,3,5-NAPHTHYLENETRISULFONIC ACID, 8,8'-[UREYLENEBIS[M-PHENYLENE-CARBONYLIMINO(4-METHYL-M-PHENYLENE)-CARBONYLIMINO]] DI- HEXASODIUM SALT;8,8'-[CARBOXYLBIS[IMINO-3,1-PHENYLENECARBOXYLIMINO(4-METHYL-3,1-PHENYLENE)CARBOXYLIMINO]]BIS-1,3,5-NAPHTHALENETRISULFONIC ACID HEXASODIUM SALT;8,8'-CARBOXYLBIS[IMINO-3,1-PHENYLENECARBOXYLIMINO(4-METHYL-3,1-PHENYLENE)CARBOXYLIMINO]BIS-1,3,5-NAPHTHALENETRISULFONIC ACID HEXASODIUM;8,8'-carbonylbisimino-3,1-phenylenecarbonylimino-(4-methyl-3,1-phenylene)carbonyliminobis-1,3,5-naphthalenetrisulfonic acid hexasodium

CAS:129-46-4

MF:C51H34N6Na6O23S6

MW:1429.17

EINECS:204-949-3

Product Categories:Active Pharmaceutical Ingredients;Purinergics P2 receptor Suramin sodium

Chemical Properties: storage temp. 0-6C solubility H2O: >10mg/mL Water Solubility soluble

Safety Information: Safety Statements 22-24/25 WGK Germany 3 RTECS QM7000000 F 3-10 Suramin sodium Suramin sodium

Usage And Synthesis:

Chemical Properties: White crystalline powder Biological ActivityNon-selective P2 purinergic antagonist. Also blocks calmodulin binding to recognition sites and G protein coupling to G protein-coupled receptors. Anticancer and antiviral agent. Suramin sodium



