



Formula: C<sub>29</sub>H<sub>55</sub>N<sub>5</sub>O<sub>18</sub>

MW: 761.78

Salt: H<sub>2</sub>SO<sub>4</sub>

CAS: 54911-32-9

TNP NUMBER: TNP00611

MDL NUMBER: MFCD09788234

IUPAC: 2-[5-amino-2-(aminomethyl)-6-(5-{3,5-diamino-6-[3-amino-5-hydroxy-6-(hydroxymethyl)(2H-3,4,5,6-tetrahydropyran-2-yloxy)]-2-hydroxycyclohexyloxy}-4-hydroxy-2-(hydroxymethyl)oxolan-3-yloxy)-4-hydroxy(2H-3,4,5,6-tetrahydropyran-3-yloxy)]-6-(hydroxymethyl)

Smiles:

O(C1C(C(OC2C(C(C(OC3C(C(C(O)C(O3)CO)O)O)C(O2)CN)O)N)C(O1)CO)O)C1C(OC2OC(CO)C(CC2N)O)C(N)CC(C1O)N

Produced by Actinomycetes, *Streptomyces lividus*; Antibiotic agent

THERAPEUTIC CATEGORY: Antibacterial

ACCEPTORS: 18

DONORS: 20

ROTATION BONDS: 22

N+O: 23

Chiral Centers: 23

LogP: -15.1

LogS: 0.36

LIPINSKI: 1

