



Formula: C₂₇H₃₁N₉O₁₅P₂

MW: 783.54

Salt: 2Na⁺

CAS: 146-14-5

MDL:

TNP: TNP00638

RIBOFLAVIN 5'-ADENOSINE DIPHOSPHATE DISODIUM SALT; FAD-NA₂; FAD; FAD 2NA;
FAD DISODIUM SALT; FLAVINE-ADENINE-DINUCLEOTIDE, DISODIUM; FLAVINE ADENINE
DINUCLEOTIDE DISODIUM SALT; FLAVIN ADENINE DINUCLEOTIDE DISODIUM SALT



LogP: -0.59

LogS: -2.63

Acceptors: 15

Donors: 8

Rotation Bonds: 10

Chiral Centers: 7

N+O: 24

LIPINSKY: 1

IUPAC: [(3S,2R,4R,5R)-5-(6-aminopurin-9-yl)-3,4-dihydroxyoxolan-2-yl]methyl [5-(7,8-dimethyl-2,4-dioxo(3,10-dihydrobenzo[g]pteridin-10-yl))-2,3,4-trihydroxypentyl]oxy(hydroxyphosphoryl) hydrogen phosphate

Smiles:

c12c(nc3cc(C)c(cc3n1CC(C(C(COP(OP(OC[C@H]1OC([n@]3c4c(c(N)ncn4)nc3)[C@@H]([C@H]1O)O)([O-])=O)([O-])=O)O)O)C)c(=O)[nH]c(n2)=O

REFERENCE: Merck, 13, 4119

SOURCE: Isolation from yeast, liver, kidney, hearts, muscles. Isolation from mycelium of *Eremetium ashbyii*.

Specification: Flavin adenine dinucleotide disodium salt Chemical Properties:

storage temp. 2-8C Water Solubility 5 g/L CAS DataBase Reference 84366-81-4 (CAS DataBase Reference) Safety 24/25-22 WGK Germany 3 F 8-10-21 Flavin adenine dinucleotide disodium salt Usage And Synthesis Chemical Properties:

yellow-orange powder Flavin adenine dinucleotide disodium salt

Merck 13 Reference: Monograph Number: 0004119

Title: Flavine-Adenine Dinucleotide

CAS Registry Number: 146-14-5

CAS Name: Riboflavine 5