



Formula: C₁₄H₁₃N₈NaO₄S₃

MW: 476.5

CAS: 27164-46-1

MDL NUMBER: MFCD00599428

Smiles: c1nnnn1CC(N[C@H]1([C@@H]2(N(C1=O)C(=C(CS2)CSc1nnc(s1)C)C(=O)O[Na])))=O

THERAPEUTIC CATEGORY: Antibacterial

ACCEPTORS: 4

DONORS: 1

ROTATION BONDS: 8

N+O: 12

Chiral Centers: 2

LogP:

LogS:

LIPINSKI:

Synonyms: (6r-trans;ancef;biazolina;cezsodium;firmacef;gramaxin;kefzol;lampocef

CAS:27164-46-1

MF:C14H13N8NaO4S3

MW:476.49

EINECS:248-278-4

Product Categories:Active Pharmaceutical Ingredients;API;Antibiotics for Research and Experimental Use;beta-Lactams (Antibiotics for Research and Experimental Use);Biochemistry;Antibiotic Explorer;Intermediates & Fine Chemicals;Pharmaceuticals;Sulfur & Selenium Compounds;A - KResearch Essentials;Antibacterial;Antibiotics A to;Antibiotics A-FAntibiotics;AntibioticsAntibiotics;Chemical Structure Class;Core Bioreagents;Interferes with Cell Wall SynthesisAntibiotics;Mechanism of Action;Penicillins and Cephalosporins (beta-Lactams);Spectrum of Activity Cefazolin sodium salt

Chemical Properties: mp 190 C refractive index 20 (C=10, H2O) storage temp. 2-8C solubility H2O: 50 mg/mL, clear, colorless Merck 1917 Stability:Stable, but may be heat sensitive - store in cool conditions. May discolour upon exposure to light - store in the dark. Incompatible with strong oxidizing agents.

CAS DataBase Reference: 27164-46-1(

CAS DataBase Reference:) Xn,Xi Risk Statements 42/43-36/37/38-20/21/22 Safety Statements 22-36/37-36-26 WGK Germany 2 RTECS XI0390000 Cefazolin sodium salt

Usage And Synthesis:

Chemical Properties: White to off-white powder UsageSemi-synthetic antibiotic derived from 7-amino-cephalosporanic acid. An antibacterial Cefazolin sodium salt

