

System suitability—

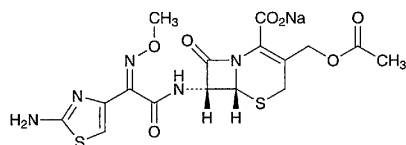
System performance: Dissolve 2.5 mg each of Cefoselis Sulfate Reference Standard and cefoselis-3-ene-isomer in 10 mL of 0.1 mol/L phosphate buffer solution, pH 7.0. When the procedure is run with 5 μ L of this solution under the above operating conditions, cefoselis-3-ene-isomer and cefoselis are eluted in this order with the resolution between these peaks being not less than 2.9.

System repeatability: When the test is repeated 6 times with 5 μ L of the standard solution under the above operating conditions, the relative standard deviation of the peak areas of cefoselis is not more than 1.0%.

Containers and storage Containers—Hermetic containers.
Storage—Light-resistant, and in a cold place.

Cefotaxime Sodium

セフトキシムナトリウム


 $C_{16}H_{16}N_5NaO_7S_2$: 477.45

Monosodium (6*R*,7*R*)-3-acetoxymethyl-7-[(*Z*)-2-(2-aminothiazol-4-yl)-2-methoxyiminoacetyl-amino]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate [64485-93-4]

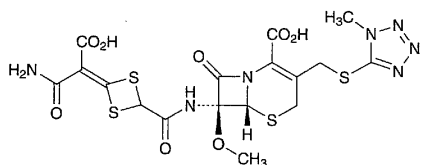
Cefotaxime Sodium conforms to the requirements of Cefotaxime Sodium in the Requirements for Antibiotic Products of Japan.

Description Cefotaxime Sodium occurs as a white to light yellowish white crystalline powder.

It is freely soluble in water, sparingly soluble in methanol, very slightly soluble in ethanol (95), and practically insoluble in diethyl ether.

Cefotetan

セフトタン


 $C_{17}H_{17}N_7O_8S_4$: 575.62

(6*R*,7*R*)-7-[[4-(Carbamoylcarboxymethylene)-1,3-dithietane-2-carbonyl]amino]-7-methoxy-3-(1-methyl-1*H*-tetrazol-5-ylsulfanylmethyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid [69712-56-7]

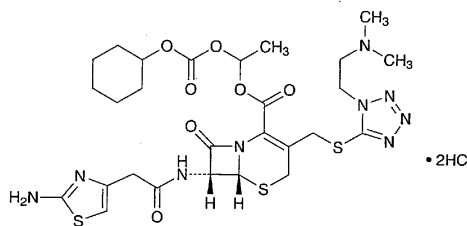
Cefotetan conforms to the requirements of Cefotetan in the Requirements for Antibiotic Products of Japan.

Description Cefotetan occurs as a white to light yellowish white crystalline powder.

It is sparingly soluble in methanol, slightly soluble in water and in ethanol (95), and practically insoluble in diethyl ether.

Cefotiam Hexetil Hydrochloride

塩酸セフトチアムヘキセチル


 $C_{27}H_{37}N_9O_7S_3 \cdot 2HCl$: 768.76

(*RS*)-1-Cyclohexyloxycarbonyloxyethyl (6*R*,7*R*)-7-[2-(2-aminothiazol-4-yl)acetyl-amino]-3-[1-(2-dimethylaminoethyl)-1*H*-tetrazol-5-ylsulfanylmethyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylate dihydrochloride [95789-30-3]

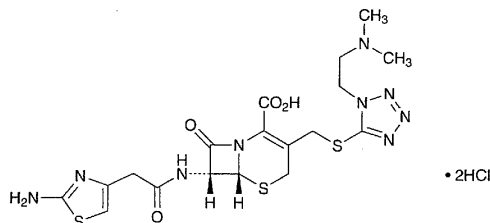
Cefotiam Hexetil Hydrochloride conforms to the requirements of Cefotiam Hexetil Hydrochloride in the Requirements for Antibiotic Products of Japan.

Description Cefotiam Hexetil Hydrochloride occurs as a white to light yellow powder. It has a faint characteristic odor and a bitter taste.

It is very soluble in water, in 0.1 mol/L hydrochloric acid TS, in methanol and in ethanol (95), freely soluble in dimethylsulfoxide, and practically insoluble in diethyl ether.

Cefotiam Hydrochloride

塩酸セフトチアム


 $C_{18}H_{23}N_9O_4S_3 \cdot 2HCl$: 598.55

(6*R*,7*R*)-7-[2-(2-Aminothiazol-4-yl)acetyl-amino]-3-[1-(2-dimethylaminoethyl)-1*H*-tetrazol-5-ylsulfanylmethyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid dihydrochloride [66309-69-1]