

7-Amino-3-Vinyl-3-Cephem- 4-Carboxylic Acid

(7-AVCA)

Description	White to light yellow powder
Solubility	Sparingly soluble in water, 1% soluble in 5% w/v Sodium bicarbonate solution
Water content	N.M.T 1.0 %
Assay	N.L.T 97.0 %
Chromatographic Purity	N.L.T 98%
Related substances	Single Highest Impurity: NMT 0.50 % GVNA Content: N.M.T 0.50 %
Packaging	20 kg in double polyethylene bags in each carton box.
Storage	Preserve in tight container store below 15°C and dry place
Shelf Life	24 months

General properties

IUPAC Name

(6R,7R)-7-Amino-8-oxo-3-vinyl-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid;(6R,7R)-7-Amino-3-ethenyl-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid

Molecular Weight : 226.25

Molecular Formula: C₉H₁₀N₂O₃S

Cas registry NO.: 79349-82-9

Application

Key intermediate for manufacture of Cefixime and Cefdinir

Structure

