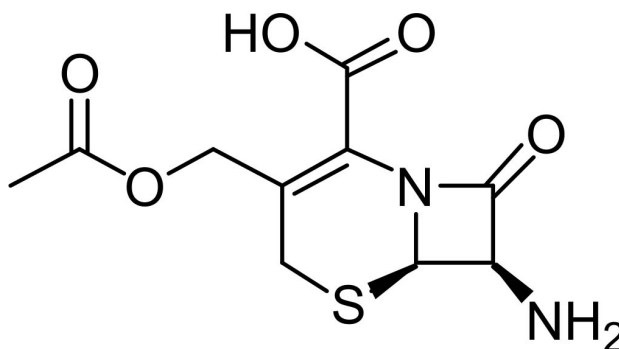


Aminocephalosporanic acid, 7-

Code No.: BIA-A2591

Pack sizes.: 1mg, 5mg



Synonyms:

7-ACA, 7-ACS, 7 β -Amino-3-acetoxymethylcephemcarboxylic acid, 7 β -Aminocephalosporanic acid

Specifications

CAS #	: 957-68-6
Molecular Formula	: C₁₀H₁₂N₂O₅S
Molecular Weight	: 272.28
Source	: -
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

7-aminocephalosporanic acid is derived from cephalosporanic acid, used as a key synthetic intermediate for the production of semi-synthetic cephalosporins.

References

1. Construction of a 7-Aminocephalosporanic Acid (7ACA) Biosynthetic Operon and Direct Production of 7ACA in *Acremonium Chrysogenum*. Isogai T. et al. *Biotechnology* 1991, 9, 188.
2. Industrial enzymatic production of cephalosporin-based beta-lactams. Barber M.S. et al. *Adv. Biochem. Eng. Biotechnol.* 2004, 88, 179.