

6-Amino penicilanic acid

(6-APA)

Description	White crystalline powder
pH	3.0 - 5.0
Loos On Drying	N.M.T 0.5%
Specific optical rotation	+265° to +285°
Assay	N.L.T 98.5%
Related substances	Phenyl acetic acid $\leq 0.1\%$ Penicillin GK $\leq 0.1\%$
Packaging	20 kg in double polyethylene bags in each carton box.
Storage	Preserve in tight container in below 10°C and dry place
Shelf Life	36 months

General properties

IUPAC Name

(2S,5R,6R)-6-Amino-3,3-dimethyl-7-oxo-4-thia-1-azabicyclo[3.2.0]heptane-2-carboxylic acid

Molecular Weight: 216.26

Molecular Formula: C₈H₁₂N₂O₃S

Cas registry NO.: 551-16-6

Indication

6-APA is the core of penicillins and used as the main starting block for the preparation of numerous semisynthetic penicillins

Structure

