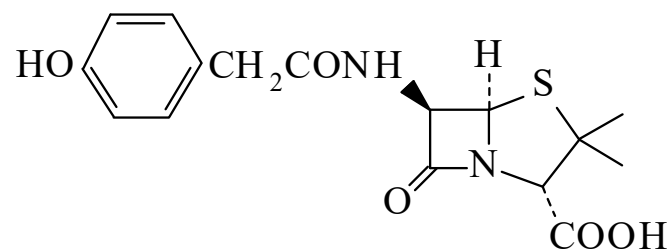




>>Entry Name: 4-Hydroxybenzylpenicillin

Synonym(s): 6-(*p*-Hydroxyphenylacetamido)penicillanic acid. Penicillin III. Penicillin X



CAS Registry Number: 525-91-7

Molecular Formula: C₁₆H₁₈N₂O₅S

Molecular Weight: 350.395

Accurate Mass: 350.093643

Percentage Composition: C 54.85%; H 5.18%; N 7.99%; O 22.83%; S 9.15%

Biological Source: Prod. by *Penicillium chrysogenum* spp.

Use/Importance: No coml. importance. Active against gram-positive bacteria

pKa Value: pK_a 2.62 (23°, H₂O)

Hazard & Toxicity: LD₅₀ (mus, ivn) 2000 mg/kg

>>Derivative: Na salt

CAS Registry Number: 5985-13-7

Physical Description: Cryst. (butanol aq.)

Optical Rotation: [α]_D²⁵ +267 (c, 2 in H₂O)

Solubility: Sol. H₂O

References:

Lemke, P. *et al.*, *Cephalosporins Penicillins: Chem. Biol.*, (Flynn, E.H., Ed.), Academic Press, 1972, 370, (*rev*)