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Product Information

Probenecid

Product Number **P 8761**
Store at Room Temperature

Product Description

Molecular Formula: $C_{13}H_{19}NO_4S$
Molecular Weight: 285.4
CAS Number: 57-66-9
 pK_a : 5.8¹
Melting Point: 194-196 °C¹

Probenecid is a uricosuric agent, which increases uric acid removal in the urine. It also reduces the renal tubular excretion of many other drugs and increases their plasma concentration.²

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions

Probenecid is soluble in chloroform, in dilute solutions of sodium hydroxide, then buffered to pH 7.4, and is nearly insoluble in water. Probenecid is soluble in 1 M NaOH (50 mg/ml), yielding a clear, colorless solution.

References

1. The Merck Index, 12th ed., Entry# 7934.
2. Martindale: The Extra Pharmacopoeia, 30th ed., Reynolds, J. E. F., ed., The Pharmaceutical Press (London, Great Britain: 1993), p.337.

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