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
- $pK_a$: 5.8$^1$
- Melting Point: 194-196 °C$^1$

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.