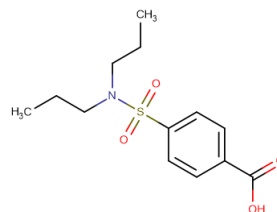


Product Name : Probenecid
Synonyms : NSC 18786
Cat No. : M15105
CAS Number : 57-66-9
Molecular Formula : C₁₃H₁₉NO₄S
Formula Weight : 285.36
Chemical Name : 4-(dipropylsulfamoyl)benzoic acid



Description : The prototypical uricosuric agent. It inhibits the renal excretion of organic anions and reduces tubular reabsorption of urate. Probenecid has also been used to treat patients with renal impairment, and, because it reduces the renal tubular excretion of other drugs, has been used as an adjunct to antibacterial therapy.

Pathway : Membrane Transporter/Ion Channel

Target : TRP/TRPV Channel

Receptor : TRPV2

Solubility : Ethanol: 22 mg/mL (77.09 mM); DMSO: 57 mg/mL (199.74 mM)

SMILES : CCCN(CCC)S(=O)(=O)C1=CC=C(C=C1)C(=O)O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1.McDonough PM, et al. Cell Calcium, 1989, 10(3), 171-180.