CENTER FOR DRUG EVALUATION AND RESEARCH

APPLICATION NUMBER: 83221

DRAFT FINAL PRINTED LABELING

DESCRIPTION: Probeneoid is the generic name for p-(diproppleulfamyl) benzoic acid. Colchicine is an alkaloid, $C_{22}R_{23}NO_6$, obtained from various species of Colchicum.

ACTIONS: Probeneoid is a uricosuric and renal tubular blocking agent. It inhibits the tubular reabsorption of urste, thus increasing the urinary excretion of uric acid and decreasing serus uric acid lavels. Effective uricoscuric reduces the macible urste pool, retards urste deposition, and promotes resorption of urste deposits. Probeneoid inhibits the tubular secretion of penicillin and usually increased penicillin plasma levels by any route the antibiotic is given. A 2-fold to 1-fold elevation has been demonstrated for various penecillins.

Probenecid also decreases the urinary excretion of maino-salicylic soid (PAN), minohippuric acid (PAN), phenolsulfonphthalein (PSP), pantothenic acid, 17-ketosteroids, and section icomethemate. It decreases both hepatic and renal excretion of sulfobromophthalein (BSP). The tubular reabsorption of phosphorous is inhibited in hypoparathyroid but not in euparathyroid individuals. Probenecid produces an insignificant increase in free sulfs plasma concentrations, but a significant increase in total sulfa plasma levels.

Probenecid does not influence plasma concentrations of salicylates, nor the excretion of streptomycin, chloramphenicol, chlortetracycline, oxytetracycline, or neomycin.

The mode of sation of colonicine in gout is unknown. It is not an analgesic, though it relieves pain in acute attacks of gout. It is not a uricoccuric agent and will not prevent progression of gout to chronic gouty arthritis. It does have a prophylactic, suppressive effections help to reduce the incidence of acute attacks and to relieve the residual pain and nill discolorion in patients with gout occasionally feel. In man and certain otificants concentrations can calculate the incidence of acute attacks and to relieve the residual pain and nill discolorion in patients with gout occasionally feel. In man and certain otificance of acute attacks and to relieve the residual pain and nill discolorion in the patients with gout occasionally feel. In man and certain otificance of acute attacks and to rel

INDICATIONS: For the treatment of chronic gouty arthratis when complicated by frequent, recurrent acute stacks of gout.

CONTRADDICATIONS: Probenecid and colchioine are contraindicated in persons who have shown hyper-sensitivity to either of its components or aspirin.

The drug is not recommended in persons with known blood dyscrasias or uric acid kidney stones.

Therapy with probenecid and colchicine should not be started until an acute gouty attack has subsided.

WARNINGS: Exacerbation of gout following therapy with probeneeld and colonicine may occur; in such cases additional colonicine therapy is advisable. In patients on probeneeld and colonicine the use of salicitates in large or small doses is contraindicated because it antagonizes the urisosuric action of probeneeld. The biphasic action of salicitates in the renal tubules secounts for the so-called "paradoxical effect" of urisosuric agents. In patients on probeneeld and colchisine who require a mild analysis agent, the use of acetsminophen rather than small doses of salicitates would be preferred. The appearance of apperennitivity reactions require ceasation of therapy with probeneoid and colchicine.

Cell division in animals and plants can be arrested by colchicine. In certain species of animal under certain conditions it has produced teratogenic effects and has adversely affected spermatagenesis. Reversible accompermá has been reported in one patient.

PRICANTIONS: Hematuria, remal colic, costovertabral pain, and formation of urate stones associated with the use of probeneeld and colonicine in gouty patients may be prevented by alkalization of the urine and a liberal fluid intake. (See Dosage and Administration). In these cases when alkali is administered, the accid-base balance of the patient should be weethed.

Probeneeld and colchicine have been used in patients with some renal impairment, but dosage requirements may be increased. Probeneeld and colchicine may not be effective in chronic renal insufficiency particularly when the glomerular rate is 30 ml./min. or less.

USE WITH CAUTION IN PATIENTS WITH A HISTORY OF PEPTIC ULCER.

USE WITH CAUTION IN PATIENTS WATH A HISTORY OF PEPTIC ULERY.
As probenedid decreases the renal excretion of conjugated sulfa drugs, plasma concentrations of
the latter should be determined from time to time when a sulfa drug and probenedid with colchiefine are coadministered for prolonged periods.
A reducing substance may appear in the urine of patients receiving probenedid. Although this disappears with discontinuance of therapy, a false diagnosis of glycosuria may be made because of a

false-positive Benedict's test.

ADVERSE REACTIONS: Headache, gastrointestinal symptoms (e.g., anorexia, names, vomiting), urinary frequency, hypersensitivity reactions (including anaphylaxis, dermatitis, pruritis, and fever), sore guas, flushing, and anemia have occured following the use of probeneoid; also namolytic analytic anemia which in some instances could be related to genetic efficiency of glumes—6-phosphate dehydrogenase in red blood cells. Nephrotic syndrome, hepatic mecrosis, and aplastic anemia occur rarely. Side effects the to colchicine appear to be a function of domage. The most prominant symptoms are referable to the gastrointestinal tract (e.g., namesa, vomiting, abdominal pain, and diarrhes) and may be particularly troublesome in the presence of peptic ulcer or spattic colon. At toxic domes colorieine may cause severe diarrhes, generalized vascular damage, and renal damage with hematuria and oliquria. Muscular weakness, which disappears with discontinuance of therapy, urticaris, dermatitis, and purpura nave also been reported, hyperematitivity to colchicine is very rare, but should be borne in mind. The appearance of any of the aforementioned symptoms may require reduction of domage or discontinuance of the drug, when given for prolonged periods, colchicine may cause agramulocytosis, aplastic anemia, and peripheral neuritis. Loss of heir attributable to colchicine therapy has been reported. The possibility of increased colchicine toxicity in the presence of hepatic dysfunction should be considered.

DOSAGE AND ADMINISTRATION: Therapy with probeneoid and colchicine should not be started until an acute gouty attack has subsided. However, if an acute gouty attack is precipitated DURINU therapy probenecid with colchicine may be continued without changing the dosage, and additional colchicine should be given to control the acute attack. The recommended solult dosage is 1 tablet daily for one week, followed by 1 tablet twice daily thereafter. However, if necessary, the daily dosage may be increased by 1 tablet weeks within tolerance (and usually not above 8 tablets per day), if symptoms of gouty arthritis are not controlled or the 24 hour ursts excretion is not above 700 mg. As noted probeneoid may not be effective in chronic renal insufficiency, particularly when the glomerular filtration rate is 30 ml./min. or less.
Gastric intolerance may be indicative of overdosage, and may be corrected by decreasing the dosage.

Gastric intolerance may be indicative of overdosage, and may be corrected by decreasing the dosage. As unstee tend to crystallize out of an soid urine, a liberal fluid intake is recommended, as well as sufficient sodium bicarbonate () to 7.5 g. daily) or potassium citrate (7.5 g. daily) to maintain an alkaline urine (see PRECAUTIONS).

Alkalization of the urine is recommended until the serum uric soid level returns to normal limits (maximum normal levels in makes about 6 mg. per 100 cc., in females about 5 mg. per 100 cc. and tophaceous deposists disappear, i.e., during the period when urinary excretion of urstees is at a migh level. Thereafter, alkalization of the urine and the usual restriction of purine-producing foods may be somewhat relaxed.

foods may be somewhat relaxed.

Probeneoid with colchidine (or probeneoid) should be continued at the desage that will maintain normal serum unic soid levels. When soute attacks have been absent for six months or more and serum unic soid levels remain within normal limits, the daily desage of probeneoid with colchidine may be decreased by one tablet every six months. The maintenance desage should not be reduced to the point where serum unic soid levels tend to rice.

HOW SUPPLIED: White compressed tablet in bottles of 100 and 1000.

Date of Issue; January 16, 1973,

Each tablet contains:
Probenecid 0.5 Gm.
Colchicine 0.5 mg.

PROBENECID with COLCHICINE OF 1975

CAUTION: Federal law prohibits dispensing without prescription.

100 TABLETAPPROVED

Manufactured By
BOLAR PHARMACEUTICAL CO., INC.

Copiague, N.Y. 11726

PROBENECID with COLCHICINE

CAUTION: Federal law prohibits dispensing without prescription.

1000 TABLETS

Manufactured By
BOLAR PHARMACEUTICAL CO., INC. Copiague, N.Y. 11726

DOSE: See enclosed insert.

USUAL BOSEĮ Sej