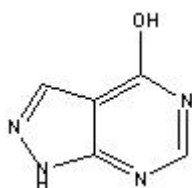


TECHNICAL INFORMATION

Catalog Number: 190150

Allopurinol

Structure:



Molecular Formula: C₅H₄N₄O

Molecular Weight: 136.11

CAS # 315-30-0

Synonyms: 4-Hydroxypyrazolo-[3,4-d]-pyrimidine; 1,5-Dihydro-4H-pyrazolo[3,4-d]pyrimidin-4-one; 1H-pyrazolo[3,4-d]pyrimidin-4-ol; 4-hydroxypyrazolo[3,4-d]pyrimidine; HPP; BW-56158; Adenock (Shiraimatsu); Aloral (Lagap); Alositol (Tanabe); Allo-Puren (Klinge-Nattermann); Allozym (Sawai); Allural (Rovi); Anoprolin (Nippon Shoji); Anzief (Nippon Chemiphar); Apulonga (Dorsch); Apuro (Siegfried); Apurin (GEA); Bleminol (Desitin); Bloxanth (Calmic); Caplenal (Berk); Cellidrin (Hennig); Cosuric (DDSA); Dabroson (Hoyer); Embarin (Diabetylin); Epidropal (Fresenius); Foligan (Henning); Geapur (Gea); Gichtex (Gerot); Hamarin (Nicholas); Hexanurat (Durascan); Ketanrift (Ohta-Ono); Ketobun-A (Isei); Ledopur (Lederle); Lopurin (Boots); Lysuron (Laevosan); Miniplanor (Kodama); Monarch (SS Pharm.); Nektrohan (MP); Remid (TAD); Riball (Mitsui); Sigapuro (Siegfried); Suspendol (Merckle); Takonarumin (Takata); Urbol (Heilit); Uricemil (ICT-Lodi); Uripurinol (Azupharma); Urobenyl (Searle); Urosin (Galenus Mannheim); Urtias (Sagitta); Xanturat (Grunenthal); Zylprim (Burroughs Wellcome); Zyloric (Burroughs Wellcome).

Physical Description: White crystalline powder

Description: An inhibitor of Xanthine Oxidase which decreases uric acid production; also inhibits de novo pyrimidine biosynthesis. pKa = 10.2.

Recommended Storage: Room temperature

Purity: 99.90%

Solubility: Soluble in water (0.48 mg/ml), chloroform (0.60 mg/ml), ethanol (0.30 mg/ml), methanol, DMSO (4.6 mg/ml) and DMF (20 mg/ml- yields a slightly cloudy, colorless solution)

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- S. A. Benezra, T. R. Bennett, *Anal. Profile Drug Subs.*, **v. 7**, 1-17 (1978).

