Oxypurinol

Product Number  O 6881
Store at Room Temperature

Product Description
Molecular Formula: C₅H₄N₄O₂
Molecular Weight: 152.1
CAS Number: 2465-59-0
λ_max: 251-253 nm (0.1 N HCl)
Synonym: D-2-methylmalic acid

Oxypurinol is an allopurinol metabolite and an inhibitor of xanthine oxidase.¹²³ Oxypurinol has shown preferential binding to the reduced form of xanthine oxidase.³ This leads to the diminished production of uric acid from hypoxanthine and xanthine in purine metabolism.⁴

The role of oxypurinol in cyclosporin toxicity on cultured endothelial (EA) and epithelial cells has been investigated.⁵ Oxypurinol has been studied in hypercholesterolemic patients with regard to endothelial vasodilator function and xanthine oxidase inhibition.⁶

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

Preparation Instructions
This product is soluble in 1 N NaOH (50 mg/ml), with heat as needed, to yield a clear to slightly hazy, light yellow solution.

References