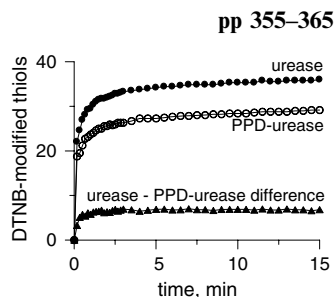


Jack bean urease: The effect of active-site binding inhibitors on the reactivity of enzyme thiol groups

Barbara Krajewska*, Wiesława Zaborska

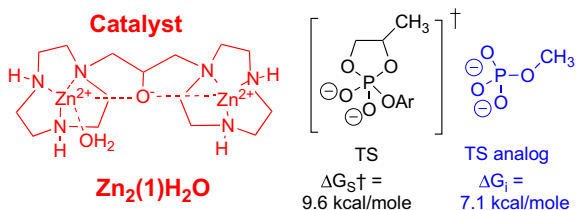
Of the active-site binding inhibitors of urease studied, PPD, AHA, boric acid and fluoride, only PPD was able to thoroughly and effectively protect the active site flap cysteine from further modification as evidenced by DTNB-titration.



A transition state analog for phosphate diester cleavage catalyzed by a small enzyme-like metal ion complex

pp 366–374

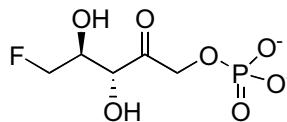
Meng-Yin Yang, Janet R. Morrow*, John P. Richard*



The identification of (3R,4S)-5-fluoro-5-deoxy-D-ribulose-1-phosphate as an intermediate in fluorometabolite biosynthesis in *Streptomyces cattleya*

pp 375–385

Mayca Onega, Ryan P. McGlinchey, Hai Deng, John T.G. Hamilton, David O'Hagan*



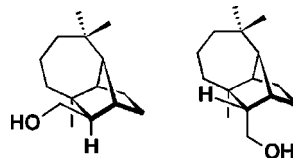
(3R, 4S)-5-Fluoro-5-deoxy-D-ribulose-1-phosphate is identified as an intermediate in the biosynthesis of fluoroacetate and 4-fluorothreonine in *Streptomyces cattleya*.

Eudismic analysis of tricyclic sesquiterpenoid alcohols: Lead structures for the design of potent inhibitors of the human UDP-glucuronosyltransferase 2B7

pp 386–400

Ingo Bichlmaier, Mika Kurkela, Antti Siiskonen, Moshe Finel, Jari Yli-Kauhaluoma*

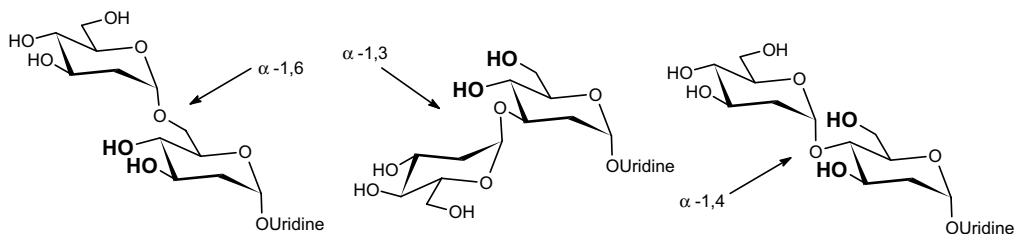
The epimeric sesquiterpenoid alcohols longifolol and isolongifolol display nanomolar affinity towards the human UGT2B7 enzyme. The results of this study indicate that stereochemical and steric features might hold the key to develop potent inhibitors for this enzyme.



Adducts of uridine and glycals as potential substrates for glycosyltransferases

pp 401–416

Ilona Wandzik*, Tadeusz Bieg



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