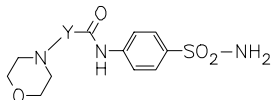


Thiadiazole derivatives

R 0300

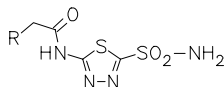
19- 145

Carbonic Anhydrase Inhibitors. Novel Sulfanilamide/Acetazolamide Derivatives I and II, and the Tumor-Associated Isozyme IX. — The inhibition of three carbonic anhydrase isozymes by a variety of sulfonamides (I) and (II) is evaluated. Derivatives (I) and (II) are very potent inhibitors of the cytosolic isozyme CA I. Compounds (II) show also excellent inhibition of the cytosolic isozyme CA II and potent inhibition of the tumor-associated isozyme hCA IX. — (TURKMEN*, H.; DURGUN, M.; YILMAZTEKIN, S.; EMUL, M.; INNOCENTI, A.; VULLO, D.; SCOZZAFAVA, A.; SUPURAN, C. T.; *Bioorg. Med. Chem. Lett.* 15 (2005) 2, 367-372; Dep. Chem., Fac. Sci. Arts, Harran Univ., TR-63300 Sanliurfa, Turk.; Eng.) — R. Staver






I

- a Y: $-\text{CH}_2-$
 b Y: $-(\text{CH}_2)_2-$
 c Y: $-(\text{CH}_2)_4-$



II

- a R: 
 b R: 
 c R: 
 d R: 