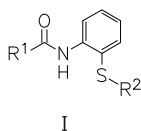


Thioethers

Q 0580

13- 079

Design and Synthesis of Cinanserin Analogues as Severe Acute Respiratory Syndrome Coronavirus 3CL Protease Inhibitors. — Cinanserin analogs (26 examples) are synthesized and tested for their inhibitory activities against SARS-coronavirus 3CL protease. Four derivatives show significant activities. Derivative (If), the most potent compound, is 300-fold more potent than cinanserin (Ia) itself. — (YANG, Q.; CHEN, L.; HE, X.; GAO, Z.; SHEN, X.; BAI*, D.; Chem. Pharm. Bull. 56 (2008) 10, 1400-1405; Shanghai Inst. Mater. Med., Chin. Acad. Sci., Shanghai 201203, Peop. Rep. China; Eng.) — H. Toeppel

a R¹:  Ph; R²: $-(CH_2)_3-NMe_2$ b R¹:  Ph; R²: $-(CH_2)_3-NMe_2$ c R¹:  Ph; R²: $-(CH_2)_3-NMe_2$ d R¹:  Ph; R²: $-CH_2-CH=CH_2$ e R¹:  Ph; R²: $-(CH_2)_2-CO-O-Me$ f R¹:  Ph; R²: g R¹:  Ph; R²: 