mercaptans, thioethers (benzene compounds)

Q 0580

17 - 093

A New Sulfenylation Reagent, 3-Phenylsulfenyl-2-(N-cyanoimino)thiazolidine, and Its Optically Active Version. — The title thiazolidine (I) is found to be an excellent sulfenylation reagent for amines, thiols, carbonyl compounds, and their derivatives. The optically active thiazolidine (X) allows asymmetric α-sulfenylation, but the level of enantioselectivity strongly depends on the educt structure. — (TANAKA, TETSUAKI; AZUMA, TSUTOMU; FANG, XIE; UCHIDA, SHUJI; IWATA, CHUZO; ISHIDA, TOSHIMASA; IN, YASUKO; MAEZAKI, NAOYOSHI; Synlett (2000) 1, 33-36; Grad. Sch. Pharm. Sci., Osaka Univ., Suita, Osaka 565, Japan; EN)