

# Turkish Journal of Medical Sciences

Turkish Journal

S-Aroylmethyl N, N-Disubstituted Dithiocarbamates With Antiparkinson Activity

of

Rahime ŞİMŞEK 1

Cihat ŞAFAK 1

Kevser EROL 2

Kamil VURAL 2

Medical Sciences

1 Department of Pharmaceutical Chemistry Faculty of Pharmacy Hacettepe University, Ankara-Turkey

2 Department of Pharmacology, Faculty of Medicine Osmangazi University, Eskişehir-Turkey



[Keywords](#)



[Authors](#)



[medsci@tubitak.gov.tr](mailto:medsci@tubitak.gov.tr)

**Abstract:** Seven S-aroylmethyl N,N-disubstituted dithiocarbamate derivatives have been synthesized and their effects on oxotremorine induced tremor have been investigated on mice pretreated with the proparkinsonian drug haloperidol. While the compound 1f inhibited oxotremorine-induced tremors at doses of 50 mg/kg and 100 mg/kg levels, compounds 1a, 1c and 1e had this effect at the dose of 100 mg/kg. The compounds 1b, 1d and 1g had no effect on oxotremorine-induced tremors in mice. These results suggest that some of these derivatives have central antimuscarinic effects and antiparkinson activities.

**Key Words:** Dithiocarbamate, antiparkinson activity

[Scientific Journals Home Page](#)

Turk J Med Sci 1999; **29**(6): 627-630.

Full text: [pdf](#)

Other articles published in the same issue: [Turk J Med Sci,vol.29,iss.6.](#)