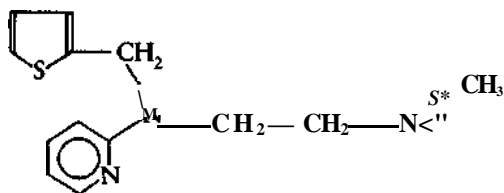


Methapyrilen

Chemische Formel:



Verwendung:

Seit 1947 im Handel.

Dosierung: 15-50 mg. Schlafmittelzusatz.

USA: Thenylene, Histadyl.

Wirkungsmechanismus:

Anticholinergische Wirkung, Antihistaminikum. Sedativum. Ethyldiamin-Derivat. Die orale Verfügbarkeit beträgt 4-46 %.

Toxizität:

Therapeut. Konzentr.: 0,003-0,032 mg/l im Blut (Calandre)

Tox. Konzentrat.: 8-228 mg/l im Urin (Ainsworth)

Letale Konzentr.: 7,4-8,2 g (Cravey) im Urin, bzw. 4,4-30 mg/l im Serum (O'Dea)

Seit 1980 wegen einer Carcinogenität bei Ratten aus dem Handel gezogen (Lijinsky)

Symptome:

Übelkeit, Erbrechen, Stupor, Atemdepression, Hyperthermie, Krämpfe, Koma, Tachykardie, Schock, Herzstillstand.

Nachweis:

UV (Winek); GC (Baselt)

Literatur:

- AINSWORTH, C. A., BIGGS, J. D.: A fatality involving methapyrilene. *Clin. Tox.* 11: 281-286, 1977.
- BASELT, R. C., CRAVEY, R. H.: A compendium of therapeutic and toxic concentrations of toxicologically significant drugs in human biofluids. *J. Anal. Tox.* 1: 81-103, 1977.
- BASELT, R. C., FRANCH, S.: Plasma and urine concentrations of methapyrilene by nitrogenphosphorus gas-liquid chromatography. *J. Chrom.* 183: 234-238, 1980.
- CALANDRE, E. P., ALFEREZ, N., HASSANEIN, K., AZARNOFF, D. L.: Methapyrilene kinetics and dynamics. *Clin. Pharm. Ther.* 29: 527-532, 1981.
- CRAVEY, R. H., REED, D., SEDGWICK, P. R., TURNER, J. E.: Toxicologic data from documented drug-induced or drug-related fatal cases. *Clin. Tox.* 10: 327-339, 1977.
- FATTEH, A., DUDLEY, J. B.: Fatal poisoning involving methapyrilene. *J. Am. Med. Asso.* 219: 756-757, 1972.
- LJINSKY, W., REUBER, M. D., BLACKWELL, B. N.: Liver tumors induced in rats by oral administration of the antihistaminic methapyrilene hydrochloride. *Science* 209: 817-819, 1980.
- O'DEA, A. E., LISS, M.: Suicidal poisoning by methapyrilene hydrochloride with documentation by paper chromatography. *New Eng. J. Med.* 249: 566-567, 1953.
- RIVES, H. F., WARD, B. B., HICKS, M. L.: A fatal reaction to methapyrilene (Thenylene). *J. Am. Med. Asso.* 140: 1022-1024, 1949.
- SCHIRMER, R. E., PIERSON, R. J.: GLC analysis of methapyrilene in plasma and urine using a sulfur-specific flame-photometric detector. *J. Pharm. Sci.* 62: 2052-2054, 1973.
- SNYDERMAN, H. S.: Accidental Thenylene hydrochloride poisoning. *J. Pediat.* 35: 376-377, 1949.
- WINEK, C. L., FOCHIMAN, F. W., TROGUS, W. J. et al.: Methapyrilene toxicity. *Clin. Tox.* 11: 287-294, 1977.