

Product Data Sheet

Product Name: Chlormezanone

Cat. No.: GC16691

Chemical Properties

Cas. No. 80-77-3

Chemical Name 2-(4-chlorophenyl)-3-methyl-1,1-dioxo-1,3-thiazinan-4-one

SMILES CN1C(S(=O)(=O)CCC1=O)C2=CC=C(C=C2)Cl

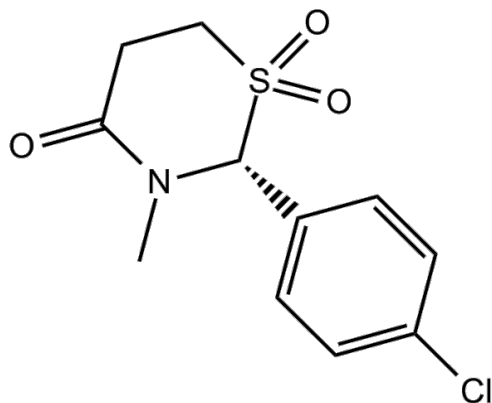
Formula $C_{11}H_{12}ClNO_3S$ M.Wt 273.74

Solubility $\geq 7.9\text{mg/mL}$ in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Protocol

Caution: Product has not been fully validated for medical applications. For research use only.

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Animal experiment: Cats[1] Effects of various agents (e.g., Chlormezanone 300 mg/kg i.p.) are studied on linguomandibular, extensor and patellar reflexes in spinal cats.

References:

[1]. Sukehiro CHIBA, et al. EFFECTS OF NEW s-TRIAZOLOBENZODIAZEPINE (D-4OTA) AND OTHER CENTRAL MUSCLE RELAXANTS ON SPINAL AND SUPRASPINAL REFLEXES IN CATS. Japan. J. Pharmacol, 23, 83-96 (1973).

Background

Chlormezanone resembles benzodiazepine. The action of Chlormezanone is similar to benzodiazepine-type agents. Chlormezanone is used as an anxiolytic and a muscle relaxant.

Comparative results obtained with Chlormezanone in the dosage levels capable of producing more than 80% depression in the contralateral extensor[1].

References:

[1]. Sukehiro CHIBA, et al. EFFECTS OF NEW s-TRIAZOLOBENZODIAZEPINE (D-4OTA) AND OTHER CENTRAL MUSCLE RELAXANTS ON SPINAL AND SUPRASPINAL REFLEXES IN CATS. Japan. J. Pharmacol, 23, 83-96 (1973).

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