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## DATASHEET

Chlormezanone

### Product overview

<b>Name</b>	Chlormezanone
<b>Cat No</b>	HB0907
<b>Biological action</b>	Other
<b>Purity</b>	>99%
<b>Description</b>	Central muscle relaxant

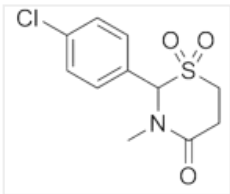
### Biological Data

<b>Biological description</b>	Central muscle relaxant. Binds to GABA <sub>A</sub> receptor benzodiazepine site. Thought to act as a positive allosteric modulator. Shows anxiolytic actions.
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### Solubility & Handling

<b>Storage instructions</b>	Room temperature
<b>Solubility overview</b>	Soluble in DMSO (100mM) or ethanol (25mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	2-(4-Chlorophenyl)tetrahydro-3-methyl-4H-1,3-thiazin-4-one-1,1-dioxide
<b>Molecular Weight</b>	273.73
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>11</sub> H <sub>12</sub> ClNO <sub>3</sub> S
<b>CAS Number</b>	80-77-3
<b>PubChem identifier</b>	2717
<b>SMILES</b>	CN1C(C2=CC=C(Cl)C=C2)S(=O)(=O)CCC1=O
<b>InChiKey</b>	WEQAYVWKMWHEJO-UHFFFAOYSA-N

### References

#### Comparative study in mice of tetrazepam and other centrally active skeletal muscle relaxants.

Simiand J *et al* (1989) Arch Int Pharmacodyn Ther 297

**PubMedID** [2567153](#)

#### Use of conditioned taste aversion as a conflict model: effects of anxiolytic drugs.

Ervin GN *et al* (1988) J Pharmacol Exp Ther 245(1)

PubMedID

2896235

**Interaction of chlormezanone with rat liver microsomes and its degradation.**

Klinger W *et al* (1997) Eur J Drug Metab Pharmacokinet 22(2)

PubMedID

9248786

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