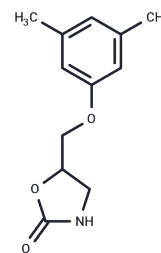


## Metaxalone

## Chemical Properties

CAS No. :	1665-48-1
Formula:	C <sub>12</sub> H <sub>15</sub> NO <sub>3</sub>
Molecular Weight:	221.25
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Metaxalone (Methaxalonum) (marketed by King Pharmaceuticals under the brand name Skelaxin ) is a muscle relaxant used to relax muscles and relieve pain caused by strains, sprains, and other musculoskeletal conditions.
Targets(IC50)	Others,NF-κB

## Solubility Information

Solubility	DMSO: 20 mg/mL (90.4 mM),Sonication is recommended. ( < 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (9.04 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5198 mL	22.5989 mL	45.1977 mL
5 mM	0.904 mL	4.5198 mL	9.0395 mL
10 mM	0.452 mL	2.2599 mL	4.5198 mL
50 mM	0.0904 mL	0.452 mL	0.904 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Nirogi RV, et al. J Anal Toxicol. 2006 May;30(4):245-51.

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