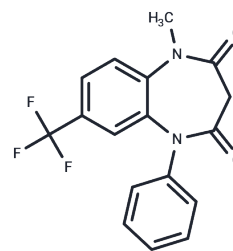


## Triflubazam

## Chemical Properties

CAS No. :	22365-40-8
Formula:	C <sub>17</sub> H <sub>13</sub> F <sub>3</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	334.29
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	Triflubazam has a wide range of biological activities that can affect sleep and can be used to treat anxiety syndromes and psychological disorders.
Targets(IC50)	Others
In vivo	Triflubazam (20 and 40 mg) shortened stage 3 about latency and reduced duration of awake (stage 0) activity and drowsy (stage 1) sleep.[1] Triflubazam (20 mg) reduced the sleep percentage in stage 1 (P less than 0.05).[1] Triflubazam (40 mg) was ingestion and has less wakefulness in the morning (P less than 0.05).[1]

## Solubility Information

Solubility	DMSO: 60 mg/mL (179.48 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9914 mL	14.9571 mL	29.9141 mL
5 mM	0.5983 mL	2.9914 mL	5.9828 mL
10 mM	0.2991 mL	1.4957 mL	2.9914 mL
50 mM	0.0598 mL	0.2991 mL	0.5983 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

- Nicholson AN, et al. Effect of the 1,5-benzodiazepines, clobazam and triflubazam, on sleep in man. Br J Clin Pharmacol. 1977 ; 4(5):567-572.
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- Huettemann RE, et al. High-pressure liquid chromatographic analysis of triflubazam and its metabolites in human and animal blood and urine. J Pharm Sci. 1975 ; 64(8):1339-1342.
- Alton KB, et al. Biotransformation of a 1,5-benzodiazepine, triflubazam, by man. Drug Metab Dispos. 1975 ; 3(5): 352-360.

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