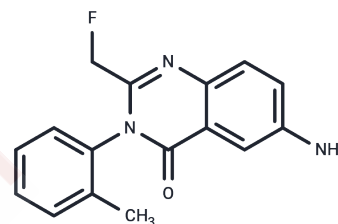


## Afloqualone

## Chemical Properties

CAS No. :	56287-74-2
Formula:	C <sub>16</sub> H <sub>14</sub> N <sub>2</sub> O
Molecular Weight:	283.3
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	Afloqualone (HQ-495) is a quinazolinone family GABAergic drug that acts as an agonist of the $\beta$ subtype of the GABA <sub>A</sub> receptor, exhibiting sedative and muscle-relaxant effects.
Targets(IC50)	GABA Receptor

## Solubility Information

Solubility	DMSO: 33 mg/mL (116.48 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	3.5298 mL	17.6491 mL	35.2983 mL
5 mM	0.706 mL	3.5298 mL	7.0597 mL
10 mM	0.353 mL	1.7649 mL	3.5298 mL
50 mM	0.0706 mL	0.353 mL	0.706 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

Yamamura M, et al. Effects of afloqualone, a new centrally acting muscle relaxant, on DRL response and CER in rats (author's transl). Nihon Yakurigaku Zasshi. 1981 Oct;78(4):381-92.

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