

## Product Data Sheet

Product Name: Afloqualone

Cat. No.: GC30844

### Chemical Properties

Cas. No. 56287-74-2

SMILES O=C1N(C2=CC=CC=C2C)C(CF)=NC3=C1C=C(N)C=C3

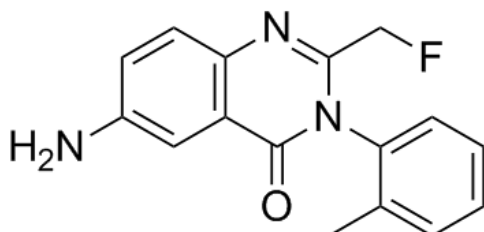
Formula  $C_{16}H_{14}FN_3O$  M.Wt 283.3

Solubility DMSO :  $\geq 33$  mg/mL (116.48 mM) Storage Store at  $-20^{\circ}\text{C}$

General tips For obtaining a higher solubility, please warm the tube at  $37^{\circ}\text{C}$  and shake it in the ultrasonic bath for a while. Stock solution can be stored below  $-20^{\circ}\text{C}$  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



### Background

Afloqualone is a agonist of GABA receptor .Target: GABA Receptor in vitro: Afloqualone is a quinazolinone family GABAergic drug. Afloqualone is an analogue of methaqualone. It has sedative and muscle-relaxant effects, resulting from its agonist activity at the  $\beta$  subtype of the GABA<sub>A</sub> receptor. in vivo: Afloqualone slightly increased the response during the alarm period in one out of 3 rats at 5, 10, and 20 mg/kg p.o., respectively.

[1]. Yamamura M, et al. Effects of afloqualone, a new centrally acting muscle relaxant, on DRL

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

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response and CER in rats (author's transl). Nihon Yakurigaku Zasshi. 1981 Oct;78(4):381-92.

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