Afloqualone

Cat. No.: HY-B1833

CAS No.: 56287-74-2

Molecular Formula: $C_{16}H_{14}FN_3O$

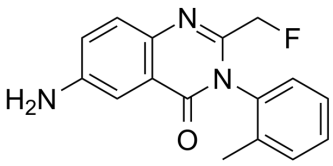
Molecular Weight: 283.3

Target: GABA Receptor

Pathway: Membrane Transporter/Ion Channel; Neuronal Signaling

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	2 years
	-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 33 mg/mL (116.48 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	3.5298 mL	17.6491 mL	35.2983 mL
5 mM	0.7060 mL	3.5298 mL	7.0597 mL
10 mM	0.3530 mL	1.7649 mL	3.5298 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Afloqualone (HQ-495) is a GABAergic agent and has agonist activity at the β subtype of the GABAα receptor. Afloqualone has antivertiginous effects thought to be attributable to the increased sensitivity of GABA receptors of the LVN neuron site[1].

REFERENCES

[1]. T Ochiai, et al. Pharmacological studies on 6-amino-2-fluoromethyl-3-(O-tolyl)-4(3H)-quinazolinone (afloqualone), a new centrally acting muscle relaxant. (II) Effects on the spinal reflex potential and the rigidity. Jpn J Pharmacol. 1982 Jun;32(3):427-38.

[2]. Y Kudo, et al. Effects of afloqualone on vestibular nystagmus and the lateral vestibular nucleus. Jpn J Pharmacol. 1989 Aug;50(4):515-9.

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

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