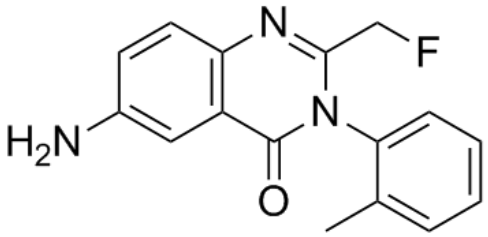
Product Data Sheet

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 : ≥ 33 mg/mL (116.48 mM)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°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 Receptorin 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 β subtype of the GABAa 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.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA

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