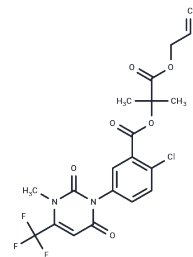


Butafenacil

Chemical Properties

CAS No. :	134605-64-4
Formula:	C ₂₀ H ₁₈ ClF ₃ N ₂ O ₆
Molecular Weight:	474.81
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	Butafenacil is an effective anemia inducer.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1061 mL	10.5305 mL	21.0611 mL
5 mM	0.4212 mL	2.1061 mL	4.2122 mL
10 mM	0.2106 mL	1.0531 mL	2.1061 mL
50 mM	0.0421 mL	0.2106 mL	0.4212 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

Leet JK, Hipszer RA, Volz DC. Butafenacil: A positive control for identifying anemia- and variegated porphyria-inducing chemicals. *Toxicol Rep.* 2015 Jul 13;2:976-983. doi: 10.1016/j.toxrep.2015.07.006. eCollection 2015. PubMed PMID: 28962437; PubMed Central PMCID: PMC5598413.

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Leet JK, Lindberg CD, Bassett LA, Isales GM, Yozzo KL, Raftery TD, Volz DC. High-content screening in zebrafish embryos identifies butafenacil as a potent inducer of anemia. *PLoS One.* 2014 Aug 4;9(8):e104190. doi: 10.1371/journal.pone.0104190. eCollection 2014. PubMed PMID: 25090246; PubMed Central PMCID: PMC4121296.

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