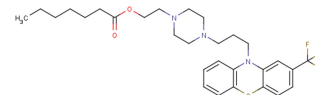


Fluphenazine enanthate

Chemical Properties

CAS No.:	2746-81-8
Formula:	C ₂₉ H ₃₈ F ₃ N ₃ O ₂ S
Molecular Weight:	549.69
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Fluphenazine enanthate is the first long-acting injectable (LAI) antipsychotic for the treatment of schizophrenia.
Targets(IC ₅₀)	Others: None
In vivo	Fluphenazine enanthate (8 mg/kg) drinking behavior is almost completely suppressed for 24 hours immediately following the administration. Fluphenazine enanthate (8 mg/kg) produces transient body weight losses in the rats. Fluphenazine enanthate (2, 4, 8 mg/kg; IM) significant inhibition of the avoidance performance is observed as long as 16, 23, and 28 days, respectively.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.819 mL	9.096 mL	18.192 mL
5 mM	0.364 mL	1.819 mL	3.638 mL
10 mM	0.182 mL	0.91 mL	1.819 mL
50 mM	0.036 mL	0.182 mL	0.364 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Kuribara H, et al. Effects of fluphenazine enanthate and fluphenazine decanoate on discriminated avoidance response and water drinking behavior in rats. *Psychopharmacology (Berl)*. 1979 Sep;65(1):1-6.
2. Brissos S, et al. The role of long-acting injectable antipsychotics in schizophrenia: a critical appraisal. *Ther Adv Psychopharmacol*. 2014 Oct;4(5):198-219.

Inhibitors · Natural Compounds · Compound Libraries

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