

Product Data Sheet

Product Name: Fluphenazine decanoate

Cat. No.: GC39192

Chemical Properties

Cas. No. 5002-47-1

SMILES CCCCCCCCC(OCCN1CCN(CCCN2C3=C(C=CC=C3)SC4=CC=C(C(F)(F)F)C=C24)C1)=O

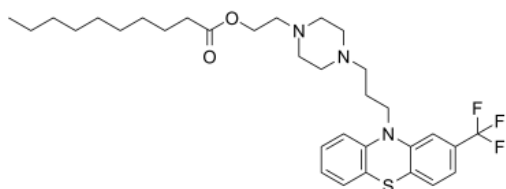
Formula $C_{32}H_{44}F_3N_3O_2S$ M.Wt 591.77

Solubility DMSO: 125 mg/mL (211.23 mM); Storage Store at -20°C
Ethanol: 50 mg/mL (84.49 mM)

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

Fluphenazine decanoate is a long-acting phenothiazine neuroleptic that used to treat schizophrenia. Fluphenazine decanoate is also a high and continuous dopamine D2 receptor blocker[1][2][3].

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

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[1]. Wagman JD, et al. The effect of fluphenazine decanoate on glucocorticoid production, reproductive cyclicity, and the behavioral stress response in the Persian onager (*Equus hemionus onager*). *Zoo Biol.* 2015 Nov;34(6):525-34. [2]. Uchida H, et al. Dose and dosing frequency of long-acting injectable antipsychotics: a systematic review of PET and SPECT data and clinical implications. *J Clin Psychopharmacol.* 2014 Dec;34(6):728-35. [3]. Weiss RB, et al. Long-acting neuroleptic use for reproductive management of non-domestic ungulates using the domestic goat (*Capra hircus*) as a model. *Zoo Biol.* 2014 May-Jun;33(3):204-11.

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