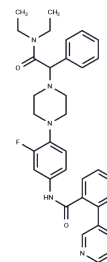


JNJ-31020028

Chemical Properties

CAS No. : 1094873-14-9
 Formula: C₃₄H₃₆FN₅O₂
 Molecular Weight: 565.68
 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	JNJ-31020028 is a selective brain penetrant antagonist of neuropeptide Y2 receptor with high affinity (pIC ₅₀ =8.07, human; pIC ₅₀ =8.22, rat); it exhibits >100-fold selectivity for Y2 versus human Y1/Y4/Y5 receptors.
Targets(IC ₅₀)	Neuropeptide Y Receptor

Solubility Information

Solubility	DMSO: 5.66 mg/mL (10.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (1.77 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7678 mL	8.8389 mL	17.6778 mL
5 mM	0.3536 mL	1.7678 mL	3.5356 mL
10 mM	0.1768 mL	0.8839 mL	1.7678 mL
50 mM	0.0354 mL	0.1768 mL	0.3536 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

Shoblock JR, et al. Psychopharmacology (Berl). 2010 Feb;208(2):265-77.

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