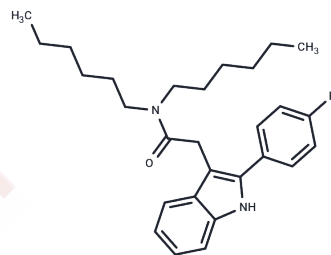


FGIN-1-27

Chemical Properties

CAS No. : 142720-24-9
 Formula: C₂₈H₃₇FN₂O
 Molecular Weight: 436.6
 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	FGIN-1-27 is a high-affinity agonist of the translocator protein and a specific peripheral benzodiazepine receptor (PBR) ligand (K _i = 5.0 nM). FGIN 1-27 can cross the blood-brain barrier.
Targets(IC50)	Others, GABA Receptor

Solubility Information

Solubility	DMSO: 4.37 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 (2.29 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	2.2904 mL	11.4521 mL	22.9043 mL
5 mM	0.4581 mL	2.2904 mL	4.5809 mL
10 mM	0.229 mL	1.1452 mL	2.2904 mL
50 mM	0.0458 mL	0.229 mL	0.4581 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

Michelle L James, et al. Development of ligands for the peripheral benzodiazepine receptor. *Curr Med Chem.* 2006; 13(17):1991-2001.

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