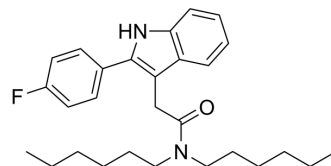


## FGIN 1-27

<b>Cat. No.:</b>	HY-101059		
<b>CAS No.:</b>	142720-24-9		
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>37</sub> FN <sub>2</sub> O		
<b>Molecular Weight:</b>	436.6		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (229.04 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		2.2904 mL	11.4521 mL	22.9043 mL
	5 mM		0.4581 mL	2.2904 mL	4.5809 mL
	10 mM		0.2290 mL	1.1452 mL	2.2904 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (5.73 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.5 mg/mL (5.73 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (5.73 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

FGIN 1-27, an indoleacetamide, is a specific peripheral benzodiazepine receptor (PBR) ligand with a K<sub>i</sub> of 5.0 nM. FGIN 1-27 can penetrate the blood brain barrier (BBB). FGIN 1-27 inhibits the onset of Isoniazid-induced convulsions<sup>[1]</sup>.

### REFERENCES

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

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