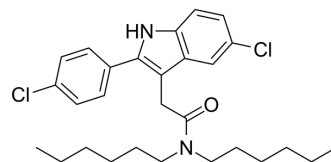


## FGIN 1-43

Cat. No.:	HY-101060
CAS No.:	145040-29-5
Molecular Formula:	C <sub>28</sub> H <sub>36</sub> Cl <sub>2</sub> N <sub>2</sub> O
Molecular Weight:	487.5
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (205.13 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0513 mL	10.2564 mL	20.5128 mL
	5 mM	0.4103 mL	2.0513 mL	4.1026 mL
	10 mM	0.2051 mL	1.0256 mL	2.0513 mL

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

### BIOLOGICAL ACTIVITY

#### Description

FGIN 1-43 is an effective and specific ligand for the mitochondrial diazepam binding inhibitor (DBI) receptor (related to the production of neurosteroids). FGIN 1-43 enhances the transmission of GABA by inducing the production of neurosteroids, which can be used for research on anti-anxiety<sup>[1]</sup>.

### REFERENCES

[1]. Guillon J, et al. Synthesis and preliminary behavioural evaluation in mice of new 3-aryl-3-pyrrol-1-ylpropanamides, analogues of FGIN-1-27 and FGIN-1-43. J Pharm Pharmacol. 2001 Nov;53(11):1561-8.

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

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