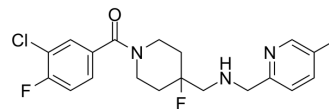


## Befiradol

Cat. No.:	HY-14785		
CAS No.:	208110-64-9		
Molecular Formula:	C <sub>20</sub> H <sub>22</sub> ClF <sub>2</sub> N <sub>3</sub> O		
Molecular Weight:	393.86		
Target:	5-HT Receptor		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 102 mg/mL (258.98 mM; Need ultrasonic and warming)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5390 mL	12.6949 mL	25.3897 mL
	5 mM	0.5078 mL	2.5390 mL	5.0779 mL
	10 mM	0.2539 mL	1.2695 mL	2.5390 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Befiradol (NLX-112) is a selective 5-HT<sub>1A</sub> receptor agonist.

#### IC<sub>50</sub> & Target

5-HT<sub>1A</sub> Receptor

### REFERENCES

[1]. Lladó-Pelfort L, et al. In vivo electrophysiological and neurochemical effects of the selective 5-HT<sub>1A</sub> receptor agonist, F13640, at pre- and postsynaptic 5-HT<sub>1A</sub> receptors in the rat. *Psychopharmacology (Berl)*. 2012 May;221(2):261-72.

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

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