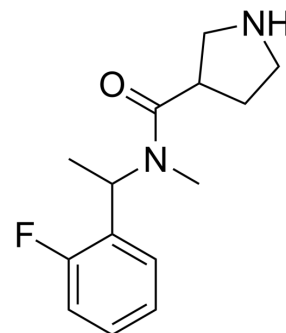


Z1078601926

Cat. No.:	HY-155036		
CAS No.:	1493256-85-1		
Molecular Formula:	C ₁₄ H ₁₉ FN ₂ O		
Molecular Weight:	250.31		
Target:	Dopamine Transporter		
Pathway:	Neuronal Signaling		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 200 mg/mL (799.01 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.9950 mL	19.9752 mL	39.9505 mL
	5 mM		0.7990 mL	3.9950 mL	7.9901 mL
	10 mM		0.3995 mL	1.9975 mL	3.9950 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: 5 mg/mL (19.98 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 5 mg/mL (19.98 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: 5 mg/mL (19.98 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Z1078601926 is an allosterical inhibitor of human dopamine transporter (hDAT). Z1078601926 has synergistic effect with Nomifensine (HY-B1110)^[1].

REFERENCES

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

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