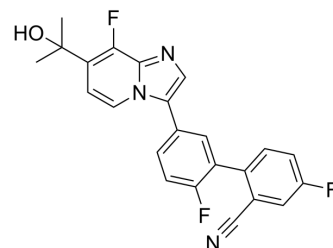


TP003

Cat. No.:	HY-103512		
CAS No.:	628690-75-5		
Molecular Formula:	C ₂₃ H ₁₆ F ₃ N ₃ O		
Molecular Weight:	407.39		
Target:	GABA Receptor		
Pathway:	Membrane Transporter/Ion Channel; 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 : 100 mg/mL (245.47 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4547 mL	12.2733 mL	24.5465 mL
	5 mM	0.4909 mL	2.4547 mL	4.9093 mL
	10 mM	0.2455 mL	1.2273 mL	2.4547 mL

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

BIOLOGICAL ACTIVITY

Description

TP003 is a non-selective benzodiazepine site agonist with EC₅₀s of 20.3, 10.6, 3.24, 5.64 nM for α1β2γ2, α2β3γ2, α3β3γ2, α5β2γ2, respectively. TP003 induces anxiolysis via α2GABA_A receptors^[1].

REFERENCES

[1]. Elena Neumann, et al. TP003 is a non-selective benzodiazepine site agonist that induces anxiolysis via α2GABA_A receptors. *Neuropharmacology*. 2018 Dec;143:71-78.

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

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