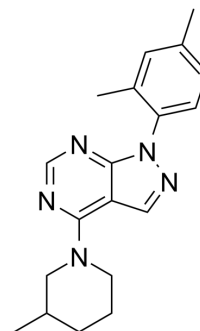


VU0080241

Cat. No.:	HY-119078		
CAS No.:	393845-24-4		
Molecular Formula:	C ₁₉ H ₂₃ N ₅		
Molecular Weight:	321.42		
Target:	mGluR		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (155.56 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.1112 mL	15.5560 mL	31.1119 mL
		5 mM		0.6222 mL	3.1112 mL	6.2224 mL
10 mM		0.3111 mL	1.5556 mL	3.1112 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (7.78 mM); Suspended solution; Need ultrasonic					
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.78 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	VU0080241 is a positive allosteric modulator (PAM) of the metabotropic glutamate receptor subtype 4 (mGluR4), with an EC ₅₀ of 4.6 μM ^[1] .
IC ₅₀ & Target	mGlu ₄ 4.6 μM (EC50)

REFERENCES

[1]. Colleen M Niswender, et al. Positive allosteric modulators of the metabotropic glutamate receptor subtype 4 (mGluR4): Part I. Discovery of pyrazolo[3,4-d]pyrimidines

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

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