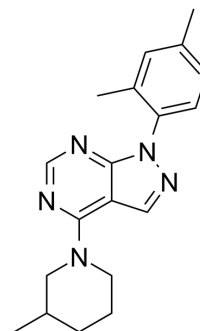


VU0080241

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)					
		Solvent Concentration	Mass			
	Preparing Stock Solutions			1 mg	5 mg	10 mg
		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	<ol style="list-style-type: none"> 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 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] .
IC₅₀ & 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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