



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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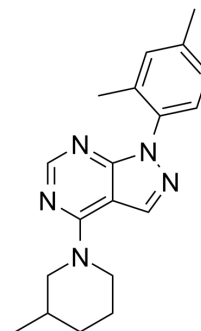
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VU0080241

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 Concentration	Mass	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	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	mGlu₄ 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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