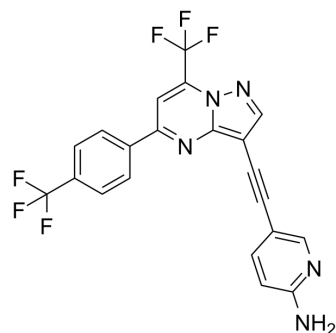


Decoglutrant

Cat. No.:	HY-16766		
CAS No.:	911115-16-7		
Molecular Formula:	C ₂₁ H ₁₁ F ₆ N ₅		
Molecular Weight:	447.34		
Target:	mGluR		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (558.86 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.2354 mL	11.1772 mL	22.3544 mL
		5 mM	0.4471 mL	2.2354 mL	4.4709 mL
10 mM		0.2235 mL	1.1177 mL	2.2354 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.65 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Decoglutrant (RO4995819) is a negative allosteric modulator of mGluR2 and mGluR3. Decoglutrant is developed as an antidepressant ^[1] .	
IC₅₀ & Target	mGluR2	mGluR3

REFERENCES

[1]. Wilkinson ST, et al. A new generation of antidepressants: an update on the pharmaceutical pipeline for novel and rapid-acting therapeutics in mood disorders based on glutamate/GABA neurotransmitter systems. *Drug Discov Today*. 2019 Feb;24(2):606-615.

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

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