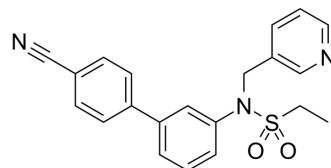


CBiPES

Cat. No.:	HY-107505A		
CAS No.:	353235-01-5		
Molecular Formula:	C ₂₁ H ₁₉ N ₃ O ₂ S		
Molecular Weight:	377.46		
Target:	mGluR		
Pathway:	GPCR/G Protein; 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 (264.93 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.6493 mL	13.2464 mL	26.4929 mL
5 mM	0.5299 mL	2.6493 mL	5.2986 mL
10 mM	0.2649 mL	1.3246 mL	2.6493 mL

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

BIOLOGICAL ACTIVITY

Description

CBiPES is a potent mGlu2 positive allosteric modulator with an EC₅₀ value of 92.8 nM. CBiPES attenuates stress-induced hyperthermia and Phencyclidine-induced hyperlocomotor activity. CBiPES can be used for research of neurological diseases [1][2].

IC₅₀ & Target

EC50: 92.8 nM (mGlu2 receptor)^[1]

REFERENCES

[1]. Johnson MP, et al. Metabotropic glutamate 2 receptor potentiators: receptor modulation, frequency-dependent synaptic activity, and efficacy in preclinical anxiety and psychosis model(s). *Psychopharmacology (Berl)*. 2005 Apr;179(1):271-83.

[2]. Frouni I, et al. Effect of the mGlu2 positive allosteric modulator CBiPES on dyskinesia, psychosis-like behaviours and parkinsonism in the MPTP-lesioned marmoset. *J Neural Transm (Vienna)*. 2021 Jan;128(1):73-81.

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

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