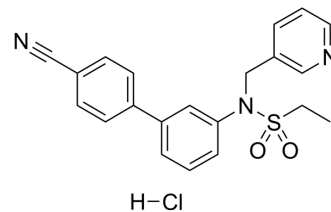


CBiPES hydrochloride

Cat. No.:	HY-107505
CAS No.:	856702-40-4
Molecular Formula:	C ₂₁ H ₂₀ ClN ₃ O ₂ S
Molecular Weight:	413.92
Target:	mGluR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description	CBiPES hydrochloride is a mGlu2 receptor positive allosteric modulator (EC ₅₀ : 92.8 nM). CBiPES hydrochloride attenuates stress-induced hyperthermia and PCP-induced hyperlocomotor activity. CBiPES hydrochloride can be used for research of neurological disease ^{[1][2]} .
IC ₅₀ & 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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