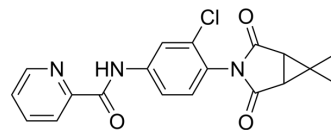


VU0410425

Cat. No.:	HY-120428
CAS No.:	1341167-72-3
Molecular Formula:	C ₁₉ H ₁₆ ClN ₃ O ₃
Molecular Weight:	369.8
Target:	mGluR
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	VU0410425 is an mGlu ₁ negative allosteric modulator. VU0410425 exhibits potent inhibitory activity for rat mGlu ₁ with an IC ₅₀ value of 140 nM. VU0410425 can be used for the research of central nervous system disorders ^[1] .
IC ₅₀ & Target	IC ₅₀ : 140 nM (rat mGlu ₁) ^[1]
In Vitro	VU0410425 exhibits potent inhibitory activity for rat mGlu ₁ with an IC ₅₀ value of 140 nM, but inactive for human mGlu ₁ ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Cho HP, et al. A novel class of succinimide-derived negative allosteric modulators of metabotropic glutamate receptor subtype 1 provides insight into a disconnect in activity between the rat and human receptors. ACS Chem Neurosci. 2014;5(7):597-610.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA