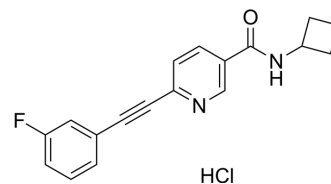


VU0360172 hydrochloride

| | |
|--------------------|---|
| Cat. No.: | HY-107504 |
| CAS No.: | 1309976-62-2 |
| Molecular Formula: | C ₁₈ H ₁₆ ClFN ₂ O |
| Molecular Weight: | 330.78 |
| 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 | VU0360172 hydrochloride is a potent and selective mGlu5 receptor positive allosteric modulator (PAM) with an EC ₅₀ value of 16 nM and a K _i of 195 nM, respectively. VU0360172 hydrochloride stimulates polyphosphoinositide (PI) hydrolysis in vivo, which is abrogated in mGlu5 receptors gene deleted mice ^[1] . | |
| IC ₅₀ & Target | mGluR5 16 nM (EC50) | mGluR5 195 nM (Ki) |

REFERENCES

[1]. Alice L Rodriguez, et al. Discovery of novel allosteric modulators of metabotropic glutamate receptor subtype 5 reveals chemical and functional diversity and in vivo activity in rat behavioral models of anxiolytic and antipsychotic activity. *Mol Pharmacol.* 2010 Dec;78(6):1105-23.

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