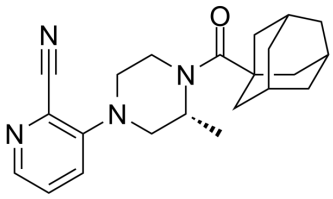
VU0469650

Cat. No.:	HY-110191
CAS No.:	1443748-47-7
Molecular Formula:	$C_{22}H_{28}N_4O$
Molecular Weight:	364.48
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	VU0469650 is a potent, selective and CNS-penetrated negative allosteric modulator of $mGlu_1$ receptor, with an IC_{50} of 99 nM [1].
IC_{50} & Target	mGluR 1 99 nM (IC_{50})
In Vivo	VU0469650 (male Sprague-Dawley rats, 0.2 mg/kg, IV, once) exhibits moderate to high clearance, a moderate volume of distribution, and a half-life of approximately 1 hour[1]. VU0469650 (male Sprague-Dawley rats, 10 mg/kg, IP, once) shows an excellent selectivity profile and good exposure in both plasma and brain samples[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Lovell KM, Felts AS, Rodriguez AL, et al. N-Acyl-N'-arylpiperazines as negative allosteric modulators of mGlu1: identification of VU0469650, a potent and selective tool compound with CNS exposure in rats. Bioorg Med Chem Lett. 2013;23(13):3713-3718.

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