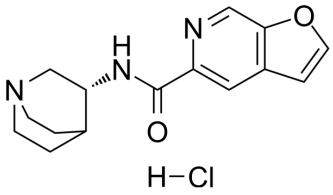
PHA-543613 hydrochloride

Cat. No.:	HY-105670A
CAS No.:	1586767-92-1
Molecular Formula:	$C_{15}H_{18}ClN_3O_2$
Molecular Weight:	307.78
Target:	nAChR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PHA-543613 hydrochloride is an oral or active α7 nAChR agonist with brain permeability, For α3β4, α1β1γδ, α4β2 and 5-HT3 receptors selective. PHA-543613 hydrochloride affects sensory gating and memory in an in vivo model of schizophrenia[1][1].

REFERENCES

[1]. Faghih R, et al. Allosteric modulators of the alpha7 nicotinic acetylcholine receptor. J Med Chem. 2008 Feb 28;51(4):701-12.

[2]. Wishka DG, et al. Discovery of N-[(3R)-1-azabicyclo[2.2.2]oct-3-yl]furo[2,3-c]pyridine-5-carboxamide, an agonist of the alpha7 nicotinic acetylcholine receptor, for the potential treatment of cognitive deficits in schizophrenia: synthesis and structure--activity relationship. J Med Chem. 2006 Jul 13;49(14):4425-36.

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