

## Product Datasheet

### nAChR agonist CMPI hydrochloride (orb1691069)

<b>Catalog Number</b>	orb1691069
<b>Category</b>	Small Molecules
<b>Description</b>	CMPI hydrochloride is a potent and selective positive allosteric modulator (PAM) targeting the $\alpha 4:\alpha 4$ interface of nicotinic acetylcholine receptors. It enhances ACh responses at $(\alpha 4)_3(\beta 2)_2$ nAChRs (EC50 0.26 $\mu$ M) and serves as a valuable research tool for studying nicotine dependence and neuropsychiatric disorders associated with cholinergic hypofunction in both in vitro and in vivo models.
<b>Target</b>	Others,AChR
<b>MW</b>	379.29
<b>CAS Number</b>	2250025-94-4
<b>Formula</b>	C <sub>18</sub> H <sub>20</sub> Cl <sub>2</sub> N <sub>4</sub> O
<b>SMILES</b>	Cl.Cc1c(cnn1C1CCNCC1)-c1cc(no1)-c1ccccc1Cl
<b>Storage</b>	-20°C
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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