

nAChR agonist CMPI hydrochloride Biochemical | nAChR biochemical

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CATALOG #
AAA228263

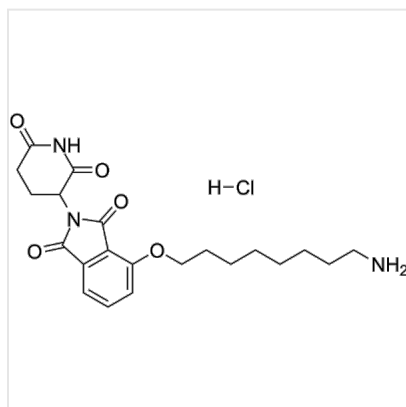
PRODUCT SYNONYMS

nAChR agonist CMPI hydrochloride; nAChR biochemical

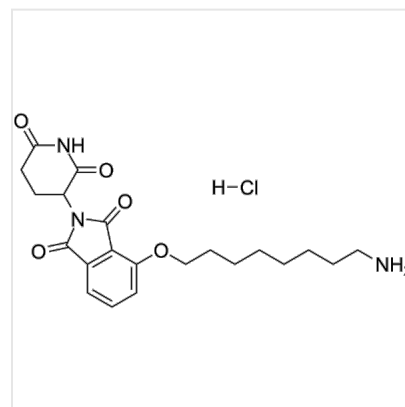
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2250025-94-4
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	CMPI (0.01-10 uM) potentiates (alpha4) 3 (beta2) 2 (low ACh sensitivity) but not (alpha4) 2 (beta2) 3 (high ACh sensitivity) nAChRs in <i>Xenopus laevis</i> oocytes[1]. CMPI (0.01-10 uM) inhibits (alpha4) 2 (beta2) 3, human muscle and Torpedo nAChRs with IC 50 s of 0.6, 0.7 and 0.2 uM, respectively in <i>Xenopus</i> oocytes[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Thalidomide-O-C8-NH2 hydrochloride, CAS 2636798-38-2



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ADDITIONAL INFORMATION

Related Product Information for nAChR biochemical	nAChR agonist CMPI hydrochloride is a potent and selective positive allosteric modulator (PAM) of nAChR containing a alpha4:alpha4 subunit interface. nAChR agonist CMPI hydrochloride enhances the response of (alpha4) 3 (beta2) 2 nAChR to ACh (10 uM) with an EC 50 of 0.26 uM. nAChR agonist CMPI hydrochloride has potential for the research of nicotine dependence and many neuropsychiatric conditions associated with decreased brain cholinergic activity.
References	1. Sato T, et al. Cereblon-Based Small-Molecule Compounds to Control Neural Stem Cell Proliferation in Regenerative Medicine. <i>Front Cell Dev Biol.</i> 2021;9:629326. Published 2021 Mar 11. 2. Nalawansha DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. <i>Cell Chem Biol.</i> 2020;27(8):998-985.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/nachr-agonist-cmpi-hydrochloride/228263>