

Br-PBTC biochemical

Br-PBTC

CATALOG #
AAA227950

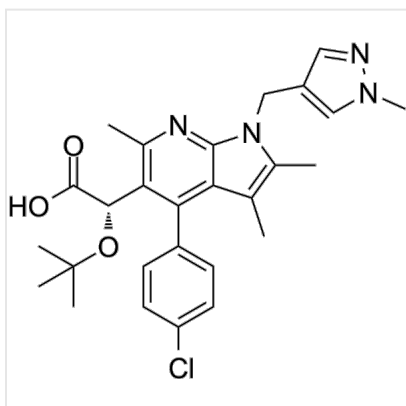
PRODUCT SYNONYMS

Br-PBTC; Br-PBTC biochemical

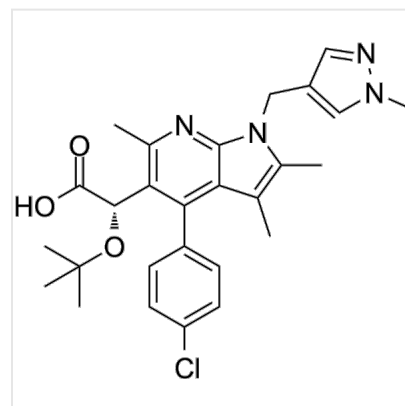
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1839519-57-1
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	Br-PBTC (0.01~10 μ M; HEK cells) selectively affects 2 and 4 subunits. Br-PBTC (3 μ M; oocytes) has greater effects on nAChRs with 2 subunits over those with 4 subunits. Br-PBTC (0.01~10 μ M; 15 minutes; HEK cells) can increase channel activation by a maximal concentration of ACh. Br-PBTC (3 μ M; 50 seconds; oocytes) increased ACh activation of α 4 β 2 nAChRs by 385 $\pm$ 61 %. Br-PBTC (3 μ M; oocytes) reactivates short term desensitized nAChRs expressed. Br-PBTC (3 μ M; 500 seconds; HEK cells) reactivates short term desensitized (α 4 β 2) 2 α 4 and (α 4 β 2) 2 β 2 nAChRs expressed. Br-PBTC (0.1~100 μ M; 0~140 seconds; HEK cells) reactivates long term desensitized nAChRs[1].
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Pirmitegravir, CAS 2245231-10-9



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ADDITIONAL INFORMATION

Related Product Information for Br-PBTC biochemical	Br-PBTC is a potent, 2/4 subtype-selective positive allosteric modulator of nAChRs (nicotinic acetylcholine receptors) with α 2 β 2, α 2 β 4, α 4 β 2, α 4 β 4, (α 4 β 2) 2 α 4 and (α 4 β 2) 2 β 2 EC 50 ranges from 0.1~0.6 μ M. Br-PBTC acts from the c-tail of an α subunit.
References	1. Maehigashi T, et al. A highly potent and safe pyrrolopyridine-based allosteric HIV-1 integrase inhibitor targeting host LEDGF/p75-integrase interaction site. PLoS Pathog. 2021;17(7):e1009671.

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/br-pbtc/227950>