

DL-TBOA ammonium Biochemical | DL-TBOA biochemical

DL-TBOA ammonium

CATALOG #
AAA228096

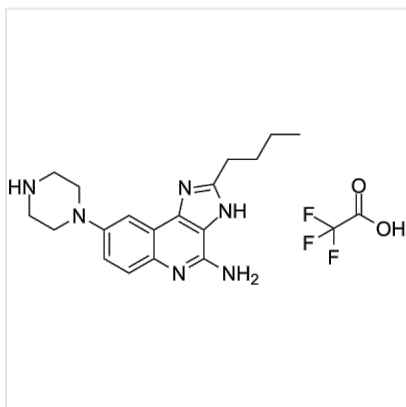
PRODUCT SYNONYMS

DL-TBOA ammonium; DL-TBOA biochemical

PRODUCT SPECIFICATIONS

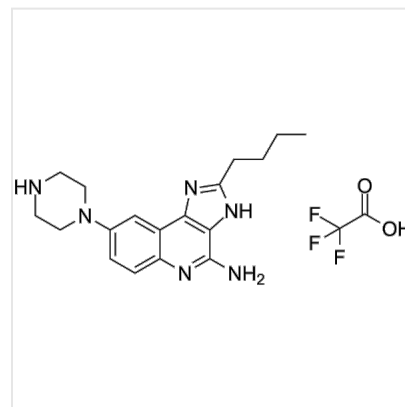
Purity/Purification	98%
CAS	2093503-71-8
Targets&IC50	Human EAAT2:5.7 uM (IC50), Human EAAT1:Ki: 42 uM, EAAT4:4.4 uM (IC50), EAAT1:70 uM (IC50), EAAT5:3.2 uM (IC50), EAAT3:6 uM (IC50), EAAT2:6 uM (IC50)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	DL-TBOA ammonium (10 nmol; i.c.v.) to morphine-dependent rats significantly facilitates the expression of naloxone-precipitated somatic signs and conditioned place aversion[5]. Animal Model: Male Sprague-Dawley rats (180-250 g)[5]. Dosage: 1 nmol, 3 nmol, 10 nmol. Administration: Intracerebroventricularly injection (i.c.v.). Result: Dose dependently facilitated various somatic signs induced by Naloxone (0.1 mg/kg)-precipitated morphine withdrawal.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure

TLR7/8 agonist 4 TFA, CAS 2388520-34-9



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ADDITIONAL INFORMATION

Related Product Information for DL-TBOA biochemical	DL-TBOA ammonium is a potent non-transportable inhibitor of excitatory amino acid transporters with IC 50 s of 70 uM, 6 uM and 6 uM for excitatory amino acid transporter-1 (EAAT1), EAAT2 and EAAT3, respectively. DL-TBOA ammonium inhibits the uptake of [14 C]glutamate in COS-1 cells expressing the human EAAT1 and EAAT2 with K i values of 42 uM and 5.7 uM, respectively. DL-TBOA ammonium blocks EAAT4 and EAAT5 in a competitive manner with K i values of 4.4 uM and 3.2 uM, respectively.
References	1. Shelley Erin ACKERMAN, et al. Macromolecule-supported tlr agonists. WO2020190762A1.

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://www.aaabiotech.com/biochemical/dl-tboa-ammonium/228096>