

## DL-TBOA ammonium Biochemical | DL-TBOA biochemical

DL-TBOA ammonium

CATALOG #  
AAA228096

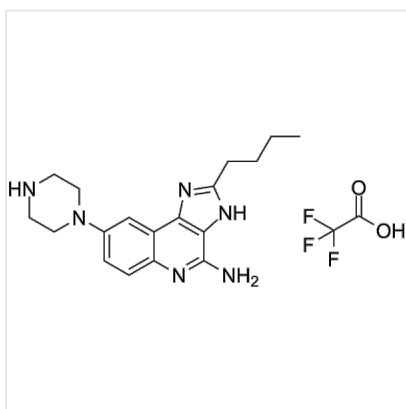
### PRODUCT SYNONYMS

DL-TBOA ammonium; DL-TBOA biochemical

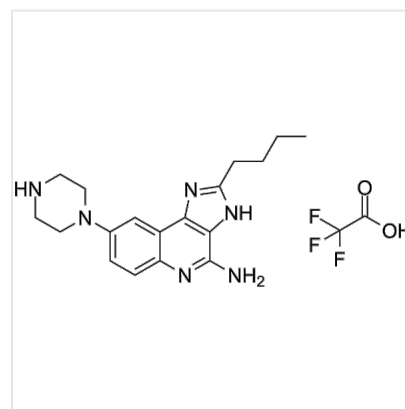
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>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://stage.aaabiotech.com/biochemical/dl-tboa-ammonium/228096>