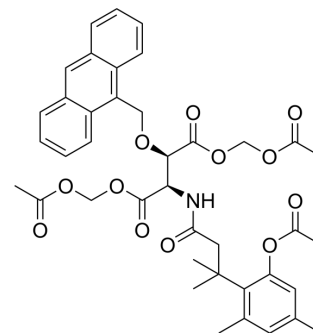


## TAOA AM Ester trimethyl lock

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-161062   |
| Molecular Formula: | C <sub>40</sub> H <sub>43</sub> NO <sub>12</sub>  |
| Molecular Weight:  | 729.77  |
| Target:            | EAAT  |
| Pathway:           | Membrane Transporter/Ion Channel  |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis. |



### BIOLOGICAL ACTIVITY

#### Description

TAOA AM Ester trimethyl lock is a high-affinity fluorescent prodrug-like inhibitor of the excitatory amino acid transporter (EAAT). It can penetrate the cell membrane and be activated by hydrolysis by endogenous cell esterases to form active EAAT inhibitors. TAOA AM Ester trimethyl lock can be used to study neurodegeneration and neuronal cell death<sup>[1]</sup>.

### REFERENCES

[1]. Zielewicz LJ, et al. Design and Characterization of Prodrug-like Inhibitors for Preventing Glutamate Efflux through Reverse Transport. ACS Chem Neurosci. 2023 Dec 6;14(23):4252-4263.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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