

## UCPH-101, EAAT1 inhibitor

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Catalog	Unit
TBI4880-5MG	5 mg
TBI4880-25MG	25 mg

### Product Details

**Formal Name:** 2-Amino-4-(4-methoxyphenyl)-7-naphthalen-1-yl-5-oxo-4,6,7,8-tetrahydrochromene-3-carbonitrile

**Molecular Formula:** C<sub>27</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>

**Formula Weight:** 422.48

**CAS Number:** 1118460-77-7

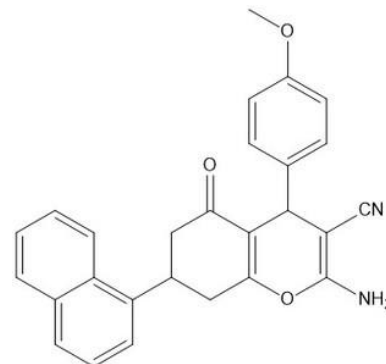
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 10 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

EAAT1 inhibitor

### Functions

UCPH-101 is a potent (IC<sub>50</sub> = 660 nM) and selective inhibitor of the excitatory amino acid transporter 1 (EAAT1). It induced cell death in glioblastoma cells via intracellular glutamate accumulation. UCPH-101 also significantly increased survival in glioma-bearing mice.

### Application Procedures

First dissolved in DMSO (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 1 month.

**For research use only.**