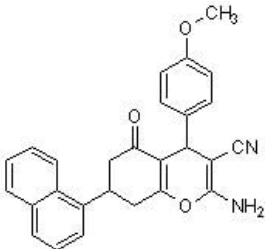


### UCPH-101, Selective EAAT1 inhibitor ab120309

[7 References](#) [1 Image](#)

#### Overview

<b>Product name</b>	UCPH-101, Selective EAAT1 inhibitor
<b>Description</b>	Selective EAAT1 inhibitor
<b>Biological description</b>	Selective inhibitor of EAAT1 ( $IC_{50}$ = 0.67 $\mu$ M). Displays >400-fold selectivity over EAAT2 and EAAT3.  Blood-brain barrier permeable analog UCPH-102 also available ( <a href="#">ab146404</a> ).
<b>CAS Number</b>	1118460-77-7
<b>Chemical structure</b>	

#### Properties

<b>Chemical name</b>	2-Amino-5,6,7,8-tetrahydro-4-(4-methoxyphenyl)-7-(naphthalen-1-yl)-5-oxo-4 <i>H</i> -chromene-3-carbonitrile
<b>Molecular weight</b>	422.48
<b>Molecular formula</b>	C <sub>27</sub> H <sub>22</sub> N <sub>2</sub> O <sub>3</sub>
<b>PubChem identifier</b>	25223366
<b>Storage instructions</b>	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 25 mM
<b>Handling</b>	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.  Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked</a>

[questions \(FAQ\) page](#) for more details.

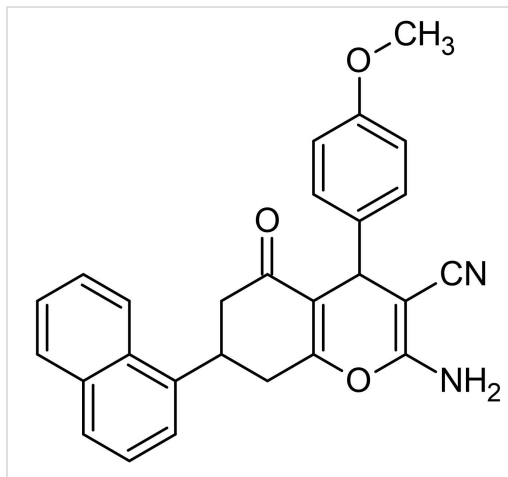
**SMILES**

COc1ccc(cc1)C2C=3C(=O)CC(CC=3OC(N)=C2C#N)c5cccc4cccc45

**Source**

Synthetic

**Images**



2D chemical structure image of ab120309, UCPH-101, Selective EAAT1 inhibitor

Chemical Structure - UCPH-101, Selective EAAT1 inhibitor (ab120309)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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