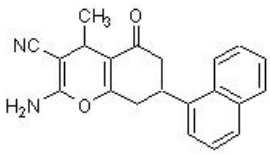
abcam

Product datasheet

UCPH-102, EAAT1 inhibitor ab146404

3 References 2 Images

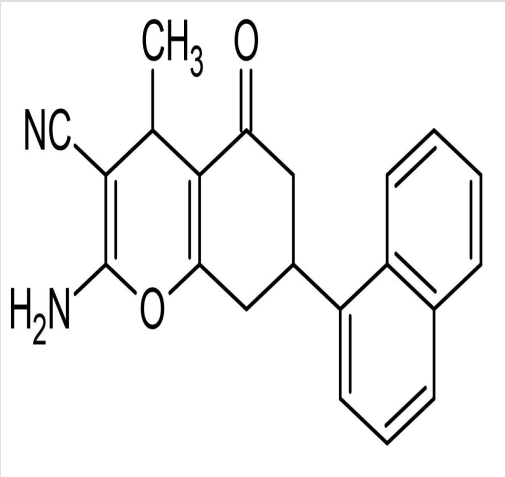
Overview

Product name	UCPH-102, EAAT1 inhibitor
Description	Selective EAAT1 inhibitor
Biological description	Selective excitatory amino acid transporter subtype 1 (EAAT1) inhibitor (IC_{50} = 0.42 µM). Active *in vivo*. Blood-brain barrier permeable analog of UCPH-101 (**ab120309**).
Purity	> 98%
CAS Number	1229591-56-3
Chemical structure	

Properties

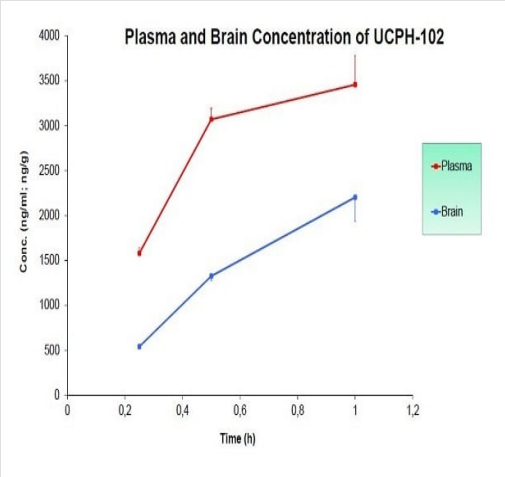
Chemical name	2-Amino-5,6,7,8-tetrahydro-4-methyl-7-(1-naphthalenyl)-5-oxo-4*H*-1-benzopyran-3-carbonitrile
Molecular weight	330.39
Molecular formula	$C_{21}H_{18}N_2O_2$
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 25 mM. It is recommended that all preparations are centrifuged before use.
Handling	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 **frequently asked questions (FAQ) page** for more details.
SMILES	O=C1CC(CC=2OC(N)=C(C#N)C(C)C1=2)c4cccc3ccccc34
Source	Synthetic

Images



Chemical Structure - UCPH-102, EAAT1 inhibitor (ab146404)

2D chemical structure image of ab146404, UCPH-102, EAAT1 inhibitor



Functional Studies - UCPH-102, EAAT1 inhibitor (ab146404)

Plot to compare the bioavailability of UCPH-102 in plasma versus brain.

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