

Product datasheet

LY 341495, Group II antagonist ab120199

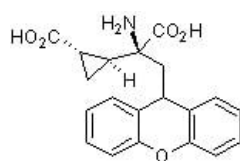
[11 References](#) [1 Image](#)

Overview

Product name	LY 341495, Group II antagonist
Description	Potent, selective group II antagonist. Group III antagonist at higher concentrations.
Biological description	Very selective nanomolar potent antagonist for group II mGlu receptors. Also a relatively potent antagonist for group III mGlu receptors at high nanomolar to low micromolar concentrations. K_d values for human receptors are 1.67 (mGlu ₂), 0.75 (mGlu ₃), 31.6 (mGlu ₆), 72.7 (mGlu _{7a}) and 14 nM (mGlu _{8a}). IC_{50} values are 7.8, 8.2 and 22 μ M for mGlu _{1a} , mGlu _{5a} and mGlu ₄ receptors, respectively. Readily brain penetrant and active <i>in vivo</i> .

CAS Number 201943-63-7

Chemical structure

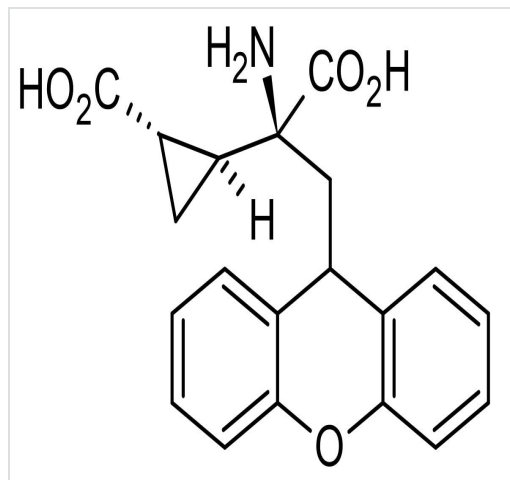


Properties

Chemical name	(2S)-2-Amino-2-[(1S,2S)-2-carboxycycloprop-1-yl]-3-(xanth-9-yl)propanoic acid
Molecular weight	353.37
Molecular formula	C ₂₀ H ₁₉ NO ₅
PubChem identifier	9819927
Storage instructions	Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 10 mM and in 1.2 eq. NaOH to 100 mM
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=C(O)[C@H]1C[C@@H]1[C@@](N)(CC2c4cccc4Oc3cccc23)C(=O)O

Images



Chemical Structure - LY 341495, Group II antagonist
(ab120199)

2D chemical structure image of ab120199, LY 341495, Group II antagonist

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team