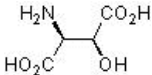


Product datasheet

L-(-)-threo-3-Hydroxyaspartic acid, EAAT1-4 inhibitor/non-transportable EAAT5 inhibitor ab146130

1 Image

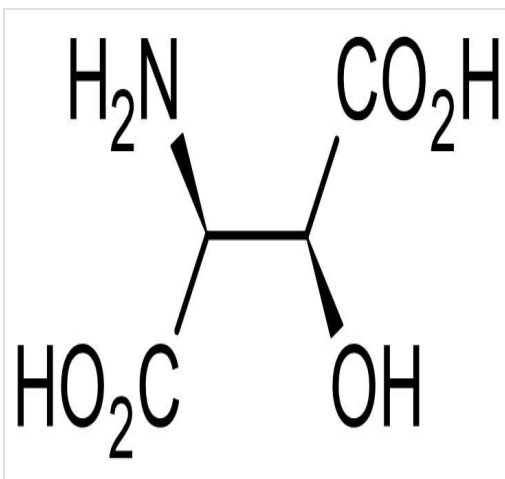
Overview

| | |
|-------------------------------|--|
| Product name | L-(-)-threo-3-Hydroxyaspartic acid, EAAT1-4 inhibitor/non-transportable EAAT5 inhibitor |
| Description | Potent, competitive, transportable EAAT1-4 inhibitor/non-transportable EAAT5 inhibitor |
| Biological description | Potent, competitive, transportable EAAT1-4 inhibitor/non-transportable EAAT5 inhibitor. Potentiates L-glutamate (ab120049) and L-aspartate induced neuronal excitation. Shows neuronal excitotoxic effects <i>in vivo</i> . |
| Purity | > 97% |
| CAS Number | 7298-99-9 |
| Chemical structure |  <p>The chemical structure shows a central carbon atom bonded to an amino group (H₂N), a carboxyl group (CO₂H), a hydroxyl group (OH), and a carboxymethyl group (HO₂C).</p> |

Properties

| | |
|-----------------------------|--|
| Chemical name | (3S)-3-Hydroxy-L-aspartic acid |
| Molecular weight | 149.10 |
| Molecular formula | C ₄ H ₇ NO ₅ |
| PubChem identifier | 443239 |
| Storage instructions | Store at room temperature. |
| Solubility overview | Soluble in 1eq. NaOH to 100 mM |
| Handling | Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details. |
| SMILES | [C@H]([C@@H](C(=O)O)O)(C(=O)O)N |
| Source | Synthetic |

Images



2D chemical structure image of ab146130, L-(-)-threo-3-Hydroxyaspartic acid, EAAT1-4 inhibitor/non-transportable EAAT5 inhibitor

Chemical Structure - L-(-)-threo-3-Hydroxyaspartic acid, EAAT1-4 inhibitor/non-transportable EAAT5 inhibitor (ab146130)

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