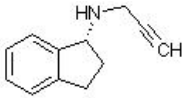


Product datasheet

Rasagiline mesylate, MAO-B inhibitor ab120236

1 Image

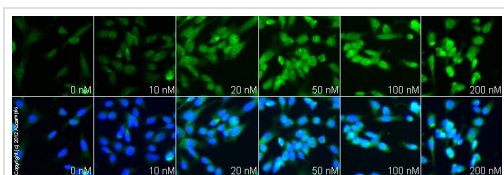
Overview

|                               |   |
|-------------------------------|---|
| <b>Product name</b>           | Rasagiline mesylate, MAO-B inhibitor  |
| <b>Description</b>            | MAO-B inhibitor   |
| <b>Biological description</b> | Selective, irreversible monoamine oxidase B (MAO-B) inhibitor, with anti-Parkinson activity. In cell culture (PC-12 and neuroblastoma SH-SY5Y cells) it exhibits neuroprotective and anti-apoptotic activity against several neurotoxins. |
| <b>Purity</b>                 | > 99%   |
| <b>CAS Number</b>             | 161735-79-1   |
| <b>Chemical structure</b>     |  <p>.CH<sub>3</sub>SO<sub>3</sub>H</p>  |

Properties

|                             |   |
|-----------------------------|---|
| <b>Chemical name</b>        | (1R)-2,3-Dihydro-N-2-propyn-1-yl-1H-Inden-1-amine methanesulfonate  |
| <b>Molecular weight</b>     | 267.34  |
| <b>Molecular formula</b>    | C <sub>12</sub> H <sub>13</sub> N.CH <sub>3</sub> SO <sub>3</sub> H   |
| <b>PubChem identifier</b>   | 3052775   |
| <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 water to 100 mM  |
| <b>Handling</b>             | <p>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.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p> |
| <b>SMILES</b>               | CS(=O)(=O)O.C#CCN[C@@H]2CCc1cccc12  |
| <b>Source</b>               | Synthetic   |

## Images



Functional Studies - Rasagiline mesylate, MAO-B inhibitor (ab120236)

[ab131457](#) staining Bcl2 in SK-N-SH cells treated with rasagiline mesylate (ab120236), by ICC/IF. Increase in Bcl2 expression correlates with increased concentration of rasagiline mesylate, as described in literature.

The cells were incubated at 37°C for 24h in media containing different concentrations of ab120236 (rasagiline mesylate) in DMSO, fixed with 100% methanol for 5 minutes at -20°C and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with [ab131457](#) (1 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 goat anti-rabbit polyclonal antibody ([ab96899](#)) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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

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