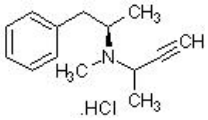


Product datasheet

(R)-(-)-Deprenyl hydrochloride (Selegiline hydrochloride), MAO-B selective inhibitor ab120604

[3 References](#) [2 Images](#)

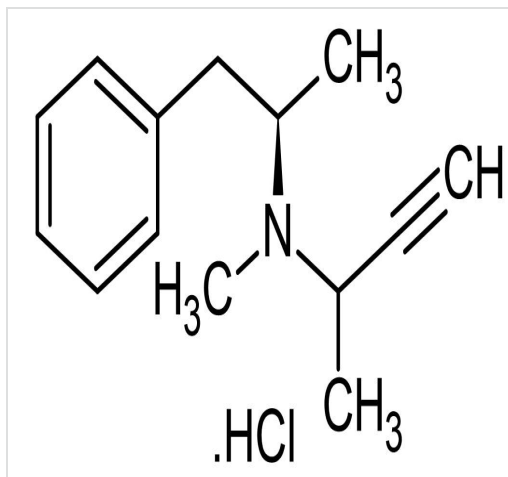
Overview

Product name	(R)-(-)-Deprenyl hydrochloride (Selegiline hydrochloride), MAO-B selective inhibitor
Description	MAO-B selective inhibitor
Biological description	Selective and irreversible MAO-B inhibitor (IC ₅₀ = 6.8 nM). Elicits neuroprotective and neuronal rescue activity. Alleviates oxidative stress.
Purity	> 99%
CAS Number	14611-52-0
Chemical structure	

Properties

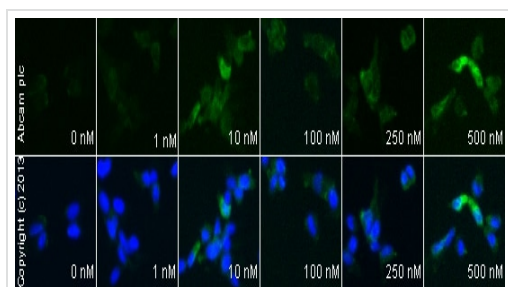
Chemical name	(R)-(-)-N-α-Dimethyl-N-2-propynylbenzeneethanamine hydrochloride
Molecular weight	223.74
Molecular formula	C ₁₃ H ₁₇ N.HCl
PubChem identifier	26758
Storage instructions	Store at Room Temperature. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 100 mM
Handling	<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>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>C[C@H](CC1=CC=CC=C1)N(C)CC#C.Cl</chem>

Images



Chemical Structure - (R)-(-)-Deprenyl hydrochloride (Selegiline hydrochloride), MAO-B selective inhibitor (ab120604)

2D chemical structure image of ab120604, (R)-(-)-Deprenyl hydrochloride (Selegiline hydrochloride), MAO-B selective inhibitor



Immunocytochemistry/ Immunofluorescence - (R)-(-)-Deprenyl hydrochloride (Selegiline hydrochloride), MAO-B selective inhibitor (ab120604)

ab692 staining Bcl2 in SK-N-SH cells treated with (R)-(-)-Deprenyl hydrochloride (Selegiline hydrochloride) (ab120604), by ICC/IF. Increase of Bcl2 expression correlates with increased concentration of (R)-(-)-Deprenyl hydrochloride (Selegiline hydrochloride), as described in literature.

The cells were incubated at 37°C for 3h in media containing different concentrations of ab120604 ((R)-(-)-Deprenyl hydrochloride (Selegiline hydrochloride)) in DMSO, fixed with 4% formaldehyde for 10 minutes at room temperature 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 **ab692** (5 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-mouse polyclonal antibody (**ab96879**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

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