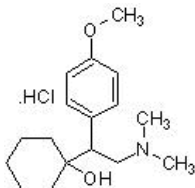


Product datasheet

Venlafaxine hydrochloride, Serotonin-norepinephrine reuptake inhibitor ab120715

[2 Images](#)

Overview

| | |
|---------------------------|---|
| Product name | Venlafaxine hydrochloride, Serotonin-norepinephrine reuptake inhibitor |
| Description | Serotonin-norepinephrine reuptake inhibitor |
| Purity | > 99% |
| General notes | This product is reported to be light sensitive |
| CAS Number | 99300-78-4 |
| Chemical structure |  |

Properties

| | |
|-----------------------------|--|
| Chemical name | 1-[2-(Dimethylamino)-1-(4-methoxyphenyl)ethyl]cyclohexanol hydrochloride |
| Molecular weight | 313.87 |
| Molecular formula | C ₁₇ H ₂₇ NO ₂ .HCl |
| Storage instructions | Store at Room Temperature. The product can be stored for up to 12 months. |
| Solubility overview | Soluble in water to 100 mM and in DMSO to 50 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>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> |
| Source | Synthetic |

Applications

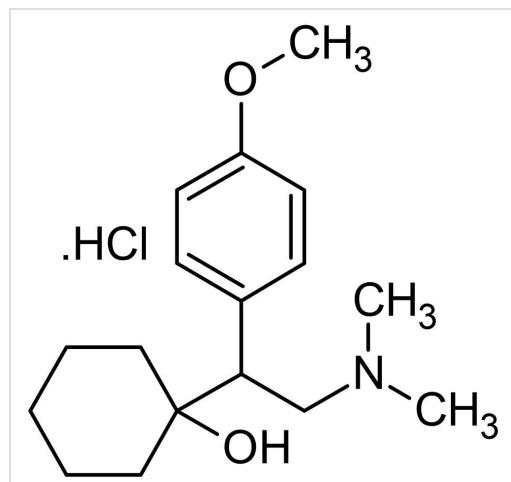
The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab120715 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

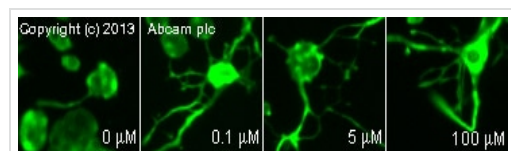
| Application | Abreviews | Notes |
|--------------------|-----------|--|
| Functional Studies | | Use at an assay dependent concentration. |

Images



Chemical Structure - Venlafaxine hydrochloride,
Serotonin-norepinephrine reuptake inhibitor
(ab120715)

2D chemical structure image of ab120715, Venlafaxine hydrochloride, Serotonin-norepinephrine reuptake inhibitor



Functional Studies - Venlafaxine hydrochloride,
Serotonin-norepinephrine reuptake inhibitor
(ab120715)

ab18207 staining beta III tubulin in PC-12 cells treated with venlafaxine hydrochloride (ab120715), by ICC/IF. Increase in the number and length of neurites (stained with beta III tubulin) correlates with increased concentration of venlafaxine hydrochloride, as described in literature.

The NGF treated cells were incubated at 37°C for 6 hour in media containing different concentrations of ab120715 (venlafaxine 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 **ab18207** (1 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody.

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

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