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DATASHEET

Venlafaxine hydrochloride

Product overview

Name Venlafaxine hydrochloride

Cat No HB1743
Alternative names Wy 453
Biological action Inhibitor
Purity >98%

Description Serotonin/norepinephrine re-uptake inhibitor. Affects differentiation of NSCs.

Biological Data

Biological description Serotonin/norepinephrine re-uptake inhibitor. Shows ~ 30-fold higher affinity for SERT than NET (K_i

values are 82 and 2480 nM respectively). Affects differentiation of NSCs. Shows antidepressant

effects.

Solubility & Handling

Solubility overview Soluble in water (100mM) and in DMSO (50mM) **Storage instructions** Room temperature (protect from light)

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

ImportantThis product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Chemical name Molecular Weight Chemical structure 1-[2-(Dimethylamino)-1-(4-methoxyph enyl)ethyl]cyclohexanol hydrochloride

313.86

SMILES CN(C)CC(C1=CC=C(C=C1)OC)C2(CCCCC2)O.Cl InChi InChl=1S/C17H27NO2.ClH/c1-18(2)13-16(17(19)1

InChl=1S/C17H27NO2.CIH/c1-18(2)13-16(17(19)11-5-4-6-12-17)14-7-9-15(20-3)10-8-14;/h7-10,16,

19H,4-6,11-13H2,1-3H3;1H

InChiKey QYRYFNHXARDNFZ-UHFFFAOYSA-N

MDL number MFCD03658865 Appearance White solid