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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.

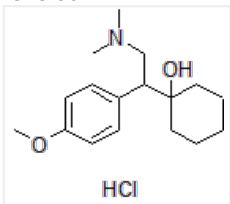
Biological Data

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.
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Solubility & Handling

Storage instructions	Room temperature (protect from light)
Solubility overview	Soluble in water (100mM) and in DMSO (50mM)
Important	This 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	1-[2-(Dimethylamino)-1-(4-methoxyphenyl)ethyl]cyclohexanol hydrochloride
Molecular Weight	313.86
Chemical structure	 <p>The image shows the chemical structure of Venlafaxine hydrochloride. It consists of a cyclohexane ring with a hydroxyl group (-OH) and a 1-(4-methoxyphenyl)ethyl group attached to the same carbon. The ethyl group is further substituted with a dimethylamino group (-N(CH₃)₂). The structure is labeled 'HCl' below it, indicating it is the hydrochloride salt.</p>
Molecular Formula	C ₁₇ H ₂₇ NO ₂ .HCl
CAS Number	99300-78-4
PubChem identifier	62923
SMILES	CN(C)CC(C1=CC=C(C=C1)OC)C2(CCCCC2)O.Cl
InChi	InChI=1S/C17H27NO2.ClH/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