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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.

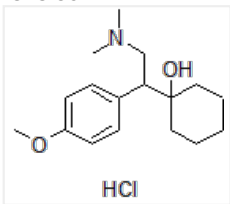
Biological Data

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	 The chemical structure shows a cyclohexane ring with a hydroxyl group (-OH) and a 1-(4-methoxyphenyl)-2-(dimethylamino)ethyl substituent. Below the structure is the label "HCl".
Molecular Formula	$C_{17}H_{27}NO_2 \cdot HCl$
CAS Number	99300-78-4
PubChem identifier	62923
SMILES	<chem>CN(C)CC(C1=CC=C(C=C1)OC)C2(CCCCC2)O.Cl</chem>
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