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DATASHEET

LY 272015 hydrochloride

Product overview

Name	LY 272015 hydrochloride
Cat No	HB1750
Purity	>98%
Description	High affinity, selective 5-HT_{2B} receptor antagonist

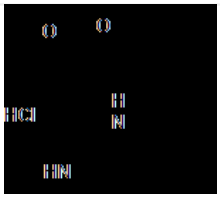
Biological Data

Biological description	High affinity, selective 5-HT_{2B} receptor antagonist with selectivity over 5-HT_{2A} and 5-HT_{2C} receptors (K_i values are 0.75, 21.63 and 28.7 nM at 5-HT_{2B}, 5-HT_{2C} and 5-HT_{2A} receptors respectively). Active in vivo and orally active. Displays antihypertensive activity.

Solubility & Handling

Storage instructions	+4°C
Solubility overview	Soluble in DMSO (100 mM), and in ethanol (10 mM)
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-[(3,4-Dimethoxyphenyl)methy]-2,3,4,9-tetrahydro-6-methyl-1H-pyrido[3,4-b]indole
Molecular Weight	372.89
Chemical structure	
CAS Number	172895-15-7
PubChem identifier	9929423
SMILES	CC1=CC2=C(C=C1)NC3=C2CCNC3CC4=CC(=C(C=C4)OC)OC.Cl
InChi	InChI=1S/C21H24N2O2.ClH/c1-13-4-6-17-16(10-13)15-8-9-22-18(21(15)23-17)11-14-5-7-19(24-2)20(12-14)25-3;/h4-7,10,12,18,22-23H,8-9,11H2,1-3H3;1H
InChiKey	BKAZOTIBKRWLQA-UHFFFAOYSA-N

References

LY272015, a potent, selective and orally active 5-HT2B receptor antagonist.

Cohen et al (1996) J.Serotonin Res. 131

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Sevoz-Couche et al (2000) Br J Pharmacol. 7
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Expression and function of serotonin 2A and 2B receptors in the mammalian respiratory network

Niebert et al (2011) PLoS One 7
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