

Product Name : Zatebradine hydrochloride

Synonyms : UL-FS-49;UL-FS-49CL

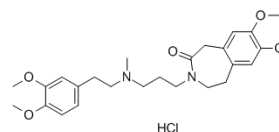
Cat No. : M16598

CAS Number : 91940-87-3

Molecular Formula : C₂₆H₃₇ClN₂O₅

Formula Weight : 493.04

Chemical Name : 2H-3-Benzazepin-2-one, 3-[3-[[2-(3,4-dimethoxyphenyl)ethyl]methylamino]propyl]-1,3,4,5-tetrahydro-7,8-dimethoxy-, hydrochloride (1:1)



Description : Zatebradine hydrochloride (UL-FS49) is a potent blocker (antagonist) of hyperpolarization-activated cyclic nucleotide-gated (HCN) channel, a specific bradycardic agent; blocks cardiac pacemaker current (I_f), decreases the rate of spontaneously beating guinea-pig atria with EC₅₀ of 0.030 ug/mL. Heart Failure Discontinued

Pathway : Membrane Transporter/Ion Channel

Target : HCN Channel

Receptor : HCN Channel

Solubility : 10 mM in DMSO

SMILES : O=C1CC2=CC(OC)=C(OC)C=C2CCN1CCCN(CCC3=CC=C(OC)C(OC)=C3)C.[H]Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Van Bogaert PP, et al. Eur J Pharmacol. 2003 Oct 8;478(2-3):161-71. | 2. McGovern AE, et al. Br J Pharmacol. 2014 Aug;171(15):3633-50. | 3. Gill CH, et al. Br J Pharmacol. 2004 Oct;143(3):411-21.