

Product Name : AVE-0118

Synonyms : AVE0118

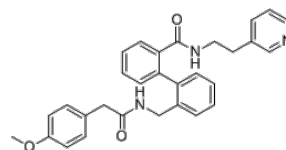
Cat No. : M14669

CAS Number : 498577-53-0

Molecular Formula : C30H29N3O3

Formula Weight : 479.58

Chemical Name : 2'-[[2-(4-Methoxyphenyl)acetyl]amino]methyl]biphenyl-2-carboxylic acid (2-pyridin-3-yl-ethyl)amide



Description : AVE-0118 is a potent I(to)/I(Kur) blocker, Kv1.5 channel inhibitor with IC50 of 5.6 uM, also blocks Kv1.3, Kv2.1, Kv3.1, and Kv4.3 channels with similar potency; dose-dependently prolongs the atrial refractoriness independent from rate and inhibits left atrial vulnerability (LAV) in vivo; fully restored atrial contraction without proarrhythmic effects on the ventricle. Heart Arrhythmia Phase 2 Discontinued

Pathway : Cell Cycle/DNA Damage

Target : Potassium Channel

Receptor : Potassium Channel

Solubility : —

SMILES : O=C(C1=CC=CC=C1C2=CC=CC=C2CNC(CC3=CC=C(OC)C=C3)=O)NCCC4=CC=CN=C4

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. de Haan S, et al. Circulation. 2006 Sep 19;114(12):1234-42. | 2. Decher N, et al. Mol Pharmacol. 2006 Oct;70(4):1204-11. | 3. Wettwer E, et al. Circulation. 2004 Oct 19;110(16):2299-306. | 4. Wirth KJ, et al. Cardiovasc Res. 2003 Nov 1;60(2):298-306.