

Product Name : NS-3623

Synonyms : NS 3623; NS3623

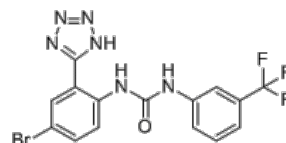
Cat No. : M14170

CAS Number : 343630-41-1

Molecular Formula : C₁₅H₁₀BrF₃N₆O

Formula Weight : 427.19

Chemical Name : N-(4-bromo-2-(1H-tetrazol-5-yl)-phenyl)-N'-(3'-trifluoromethylphenyl)urea



Description : A novel human RBC Cl-conductance blocker (IC₅₀=210 nM) and HERG channel activator (EC₅₀=79.4 μM, HERG1 channel activation); inhibits RBC g(Cl) after oral administration to normal mice (ED₅₀= 25 mg/kg), ameliorates erythrocyte dehydration in transgenic SAD mice; increases the macroscopic current conducted by the hERG channels by increasing the time constant for channel inactivation; affects native I(Kr), decreases QT variability and distinctly decreases the occurrence of extrasystoles in the acutely bradypaced hearts. Anemia Discontinued

Pathway : Cell Cycle/DNA Damage

Target : Potassium Channel

Receptor : Potassium Channel

Solubility : —

SMILES : O=C(NC1=CC=CC(C(F)(F)F)=C1)NC2=CC=C(Br)C=C2C3=NNN=N3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Bennekou P, et al. Blood. 2001 Mar 1;97(5):1451-7. 2. Hansen RS, et al. Mol Pharmacol. 2006 Oct;70(4):1319-29. 3. Hansen RS, et al. J Pharmacol Exp Ther. 2007 Jun;321(3):996-1002. 4. Hansen RS, et al. J Cardiovasc Pharmacol. 2008 Jul;52(1):35-41.