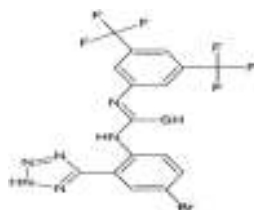


NS-11021

ALTERNATE NAME: N'-[3,5-Bis(trifluoromethyl)phenyl]-N-[4-bromo-2-(2H-tetrazol-5-yl-phenyl)]thiourea
NS11021

CATALOG #: B2595-5 5 mg
B2595-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₆H₉BrF₆N₆S

MOLECULAR WEIGHT: 511.24

CAS NUMBER: 956014-19-0

APPEARANCE: White solid

PURITY: ≥98% by HPLC

SOLUBILITY: >50 mg/ml DMSO
>50 mg/ml Ethanol

DESCRIPTION: NS-11021 is a novel KCa1.1 channel activator. At concentrations above 0.3 μM, activates KCa1.1 in a concentration-dependent manner by parallel-shifting the channel activation curves to more negative potentials. Single-channel analysis reveals that NS-11021 increases the open probability of the channel by altering gating kinetics without affecting the single-channel conductance. NS-11021 (10 μM) influenced neither a number of cloned Kv channels nor endogenous Na⁺ and Ca²⁺ channels (L- and T-type) in guinea pig cardiac myocytes.

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

NS-1643 (B1138)
NS-1619 (B1303)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*