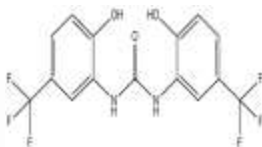


**PRODUCT: NS-1643****ALTERNATE NAME:** N,N'-Bis[2-hydroxy-5-(trifluoromethyl)phenyl]urea**CATALOG #:** B1138-10, 50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>15</sub>H<sub>10</sub>F<sub>6</sub>N<sub>2</sub>O<sub>3</sub>**MOLECULAR WEIGHT:** 380.24**CAS NUMBER:** 448895-37-2**APPEARANCE:** Off-white Solid**SOLUBILITY:** DMSO (>8 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** NS-1643 is a hERG (Human ether-a-go-go related gene) K<sup>+</sup> channel activator with EC<sub>50</sub> of 10.5 μM. It shows antiarrhythmic activity in vitro and exhibits different molecular mechanisms of action at KV11.1 (hERG1) and KV11.2 (hERG2) channel.**REFERENCES:** Elmedyby, P., *et al.* (2007). *Neuropharmacology* **53**, 283-294.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

Dapagliflozin (Cat. No. 9452-10,50)

Empgliclozin (Cat. No. 2877-10,50)

LX-4211 (Cat. No. 9623-5,25)

NS-1643 (Cat. No. B1138-10, 50)

Phlorizin (Cat. No. 2416-100, 500)

**USAGE:** *FOR RESEARCH CH USE ONLY! Not to be used in humans*