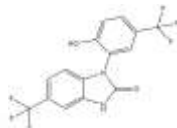


PRODUCT: NS-1619**ALTERNATE NAME:** 1,3-Dihydro-1-[2-hydroxy-5-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-2H-benzimidazol-2-one**CATALOG #:** B1303-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₅H₈F₆N₂O₂**MOLECULAR WEIGHT:** 362.23**CAS NUMBER:** 153587-01-0**APPEARANCE:** White solid**SOLUBILITY:** DMSO (>30 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.**DESCRIPTION:** NS-1619 is a calcium-dependent activator of large-conductance Ca²⁺-activated K⁺ (BK_{Ca}) channels in vascular smooth muscle. Induces a concentration-dependent decrease in mitochondrial membrane potential (EC₅₀ = 3.6 μM).**REFERENCES:** Debska, G., *et al.* (2003). *Biochem. Pharmacol.* **65**, 1827-1834.**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**)NS-1619 (**Cat. No. B1303-5,25**)Phlorizin (**Cat. No. 2416-100, 500**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**