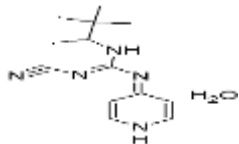


**PRODUCT: Pinacidil monohydrate****ALTERNATE NAMES:** (±)-N-Cyano-N'-4-pyridinyl-N''-(1,2,2-trimethylpropyl)guanidine monohydrate**CATALOG NUMBER:** B1904-10,50**AMOUNT:** 10 mg, 50 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>13</sub>H<sub>19</sub>N<sub>5</sub> · H<sub>2</sub>O**MOLECULAR WEIGHT:** 263.34**CAS NUMBER:** 85371-64-8**APPEARANCE:** White solid**SOLUBILITY:** DMSO (~ 15 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** Pinacidil is a cyanoguanidine compound that acts as a potassium channel opener, activating the ATP-modulated potassium channels of guinea pig bladder and heart with K<sub>i</sub> values of 104 and 251 nM, respectively. Induces relaxation of serotonin-produced contractions in porcine and human arterial rings. Vasodilator. Antihypertensive agent.**REFERENCES:** Davis-Taber, R., *et al.* (2003). *Mol. Pharmacol.* **64**, 143-153.**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**)Pinacidil monohydrate (**Cat. No. B1904-10,50**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**