

**DATA SHEET**

**Product Name:** Pinacidil

**Catalog #:** N-2856

**Molecular Mass:** 263.3 C<sub>13</sub>H<sub>19</sub>N<sub>5</sub> • H<sub>2</sub>O

**Analysis:** >98% (HPLC); NMR (Conforms)

**Supplied As:** White powder

**Resuspension:** May be dissolved in DMSO (25 mg/ml, warm); or ethanol (25 mg/ml, warm)

**Storage:** Store desiccated as supplied at ambient temperature for up to 2 years.  
Store solutions at -20°C for up to 2 months.

**Description:** Activates ATP-dependent potassium channels<sup>1,2</sup>. Induces vascular relaxation and antihypertensive effects<sup>3</sup>. Prevents the loss of mitochondrial inner membrane potential, protecting cerebellar granule neurons from apoptosis induced by oxidative stress<sup>4</sup>. Displays protective effects in Parkinson's disease models<sup>5</sup> and cerebral ischemiareperfusion<sup>6</sup>.

**References:**

1. Hermsmeyer, RK. et al., (1988) J. Cardiovasc. Pharmacol., 12 (Suppl 2):S17
2. Gollasch, M., et al., (1995) J. Pharmacol. Exp. Therap., 275: 681
3. Cohen, M.L., et al., (1988) J. Cardiovasc. Pharmacol., 12 (Suppl 2):S5
4. Teshima, Y., et al., (2003) Stroke, 34: 1796
5. Xie, J., et al., (2010) J. Neurosci. Res., 88: 428
6. Zhang, H., et al., (2008) Neurosci. Bull., 24: 7

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