

## Pinacidil, Potassium channel opener

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Catalog	Unit
TBI2856-10MG	10 mg
TBI2856-50MG	50 mg

### Product Details

**Formal Name:** (+/-)-N-Cyano-N'-4-pyridinyl-N $\alpha$ -(1,2,2-trimethylpropyl)guanidine, monohydrate

**Molecular Formula:** C<sub>13</sub>H<sub>19</sub>N<sub>5</sub> · H<sub>2</sub>O

**Formula Weight:** 263.34

**CAS Number:** 85371-64-8

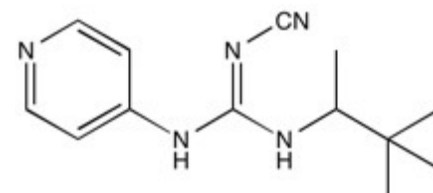
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml with warming) or in Ethanol (up to 25 mg/ml with warming)

**Storage:** RT

**Stability:**  $\geq$  1 year.



### Applications

Potassium channel opener

### Functions

Activates ATP-dependent potassium channels. Induces vascular relaxation and antihypertensive effects. Prevents the loss of mitochondrial inner membrane potential, protecting cerebellar granule neurons from apoptosis induced by oxidative stress. Displays protective effects in Parkinson's disease models and cerebral ischemia-reperfusion.

### Application Procedures

First dissolved in DMSO (up to 25 mg/ml with warming) or in Ethanol (up to 25 mg/ml with warming), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

**For research use only.**