

**DATA SHEET**

**Product Name:** Diazoxide

**Catalog #:** N-3026

**Alt:** CAS # 364-98-7; 7-Chloro-3-methyl-2H-1,2,4-benzothiadiazine 1,1-dioxide

**Source:** Synthetic

**Molecular Mass:** 230.7 C<sub>8</sub>H<sub>7</sub>ClN<sub>2</sub>O<sub>2</sub>S

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

**Supplied As:** White powder

**Resuspension:** May be dissolved in DMSO (20 mg/ml)

**Storage:** Store desiccated as supplied at ambient temperature for up to 2 years.  
Store solutions at - 20°C for up to 3 months.

**Description:** Activates ATP-dependent K<sup>+</sup> channels<sup>1</sup> via inducing translocation of PKC-epsilon from the cytosol to the mitochondria<sup>2</sup>. Hyperglycemic agent. Induces powerful protective effects against cardiac ischemia via multiple mechanisms<sup>3</sup>. Stimulates mitochondrial ATP synthase activity conferring cardioprotection in a streptozotocin-induced acute diabetes model<sup>4</sup>. Prevents alterations in memory and synaptic plasticity induced by Amyloid-β<sup>5</sup>.

**References:**

1. Trube, G., et al., (1986) Pflugers Arch., 407: 493
2. Kim, M.Y., et al., (2006) Br. J. Pharmacol., 149: 1059
3. Coetzee, W.A., et al., (2013) Pharmacol. Ther., 140: 167
4. Jasova, M., et al., (2016) Physiol. Res., 65 Suppl 1: S119
5. Salgado-Puga, K., et al., (2017) J. Alzheimers Dis., 57: 205

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