

**DATA SHEET**

**Product Name:** Edaravone

**Catalog #:** N-3034

**Alt:** CAS # 89-25-8; 3-Methyl-1-phenyl-2-pyrazolin-5-one; MCI-186

**Source:** Synthetic

**Molecular Mass:** 174.2 C<sub>10</sub>H<sub>10</sub>N<sub>2</sub>O

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

**Supplied As:** Beige powder

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

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

**Description:** An antioxidant free radical scavenger. Displays protective effects in cerebral ischemia<sup>1</sup>. Prevents MPTP-induced neurotoxicity in the substantia nigra but not the striatum<sup>2</sup>. Clinically useful agent for treatment of amyotrophic lateral sclerosis<sup>3</sup>. Alleviates cisplatin-induced neurobehavioral deficits by modulating oxidative stress in rat hippo-campus<sup>4</sup>. Prevents cardiac dysfunction by suppressing oxidative stress in diabetic rats<sup>5</sup>.

**References:**

1. Watanabe, T., et al., (1994) J. Pharmacol.Exp. Ther., 268: 1597
2. Kawasaki, T., et al., (2007) J. Pharmacol.Exp. Ther., 322: 274
3. Martinez, A., et al., (2017) Expert Opin. Investig. Drugs, 37: 51
4. Jangra, A., et al., (2016) Eur. J. Pharmacol., 791: 51
5. Ji, L., et al., (2016) Can. J. Physiol. Pharmacol., 94: 996

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