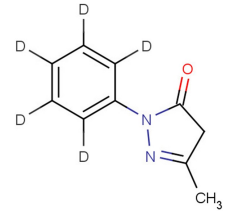


## Data Sheet (Cat.No.T11152)

Edaravone D5

### Chemical Properties

CAS No.:	1228765-67-0
Formula:	C <sub>10</sub> H <sub>5</sub> D <sub>5</sub> N <sub>2</sub> O
Molecular Weight:	179.23
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



### Biological Description

Description	Edaravone is a strong novel free radical scavenger, and inhibits MMP-9-related brain hemorrhage in rats treated with tissue plasminogen activator. Edaravone D5 is a deuterium labeled Edaravone.
Targets(IC <sub>50</sub> )	Others: None

### Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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#### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.579 mL	27.897 mL	55.794 mL
5 mM	1.116 mL	5.579 mL	11.159 mL
10 mM	0.558 mL	2.79 mL	5.579 mL
50 mM	0.112 mL	0.558 mL	1.116 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

#### Reference

1. Yoshida, H., et al. Neuroprotective effects of edaravone: a novel free radical scavenger in cerebrovascular injury. *CNS Drug Rev*, 2006. 12(1): p. 9-20.
2. Okamura, K., et al. Edaravone, a free radical scavenger, attenuates cerebral infarction and hemorrhagic infarction in rats with hyperglycemia. *Neurol Res*, 2013.
3. Garcia CA, et al. Edaravone reduces astrogliosis and apoptosis in young rats with kaolin-induced hydrocephalus. *Childs Nerv Syst*. 2016 Dec 17. [Epub ahead of print]
4. Bai X, et al. Protective Effect of Edaravone on Glutamate-Induced Neurotoxicity in Spiral Ganglion Neurons. *Neural Plast*. 2016;2016:4034218. Epub 2016 Nov 10.

Inhibitors · Natural Compounds · Compound Libraries

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