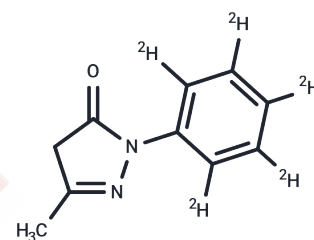


## Edaravone-D5

## Chemical Properties

CAS No. :	1228765-67-0
Formula:	C <sub>10</sub> H <sub>10</sub> N <sub>2</sub> O
Molecular Weight:	179.23
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Edaravone (T0407), a novel and potent free radical scavenger, effectively prevents MMP-9-related brain hemorrhage in rats treated with tissue plasminogen activator. Its deuterium-labeled variant, Edaravone-D5, retains the original compound's attributes while offering isotopic labeling benefits.
Targets(IC50)	Apoptosis, MMP

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5794 mL	27.8971 mL	55.7942 mL
5 mM	1.1159 mL	5.5794 mL	11.1588 mL
10 mM	0.5579 mL	2.7897 mL	5.5794 mL
50 mM	0.1116 mL	0.5579 mL	1.1159 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- 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.
- Okamura, K., et al. Edaravone, a free radical scavenger, attenuates cerebral infarction and hemorrhagic infarction in rats with hyperglycemia. *Neurol Res*, 2013.
- 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]
- 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481