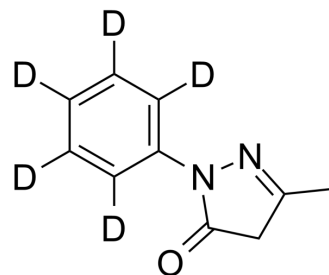


## Edaravone-d<sub>5</sub>

<b>Cat. No.:</b>	HY-B0099S		
<b>CAS No.:</b>	1228765-67-0		
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>5</sub> D <sub>5</sub> N <sub>2</sub> O		
<b>Molecular Weight:</b>	179.23		
<b>Target:</b>	MMP; Apoptosis		
<b>Pathway:</b>	Metabolic Enzyme/Protease; Apoptosis		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

#### Description

Edaravone-d<sub>5</sub> is a deuterium labeled Edaravone. Edaravone is a strong novel free radical scavenger, and inhibits MMP-9-related brain hemorrhage in rats treated with tissue plasminogen activator[1][2][3][4].

### REFERENCES

- [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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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