
Product Data Sheet

Product Name: Edaravone D5

Cat. No.: GC62948

Chemical Properties

Cas. No. 1228765-67-0

Formula $C_{10}H_5D_5N_2O$ M.Wt 179.23

Solubility Storage

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Edaravone D5 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].

[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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