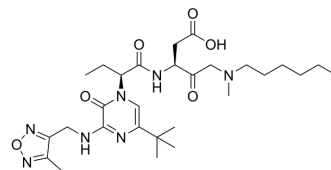


## M826

<b>Cat. No.:</b>	HY-155612
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>45</sub> N <sub>7</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	575.7
<b>Target:</b>	Caspase
<b>Pathway:</b>	Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	M826 is a potent, selective and reversible non-peptide caspase-3 inhibitor with an IC <sub>50</sub> value of 0.005 μM for enzymatic activity against caspase-3. M826 displays potent anti-apoptotic activity in animal models in vitro and in vivo. M826 can be used for nervous system diseases research <sup>[1]</sup> .
<b>In Vitro</b>	M826 (different concentrations, 20 h) inhibits apoptosis in NT2 cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	M826 (30 nmol for intracerebroventricular (ICV)-injected) blocks caspase-3 activation and cleavage of its substrates in neonatal H-I rat model <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Han BH, et al. Selective, reversible caspase-3 inhibitor is neuroprotective and reveals distinct pathways of cell death after neonatal hypoxic-ischemic brain injury. J Biol Chem. 2002 Aug 16;277(33):30128-36.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA