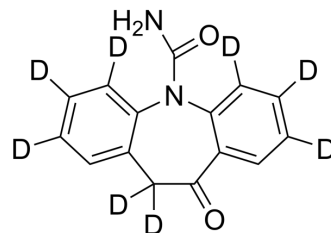


## Oxcarbazepine-d<sub>8</sub>

Cat. No.:	HY-B0114S2
CAS No.:	1261396-65-9
Molecular Formula:	C <sub>15</sub> H <sub>4</sub> D <sub>8</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	260.32
Target:	Sodium Channel; Apoptosis
Pathway:	Membrane Transporter/Ion Channel; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Oxcarbazepine-d<sub>8</sub>-1 is a deuterium of Oxcarbazepine. Oxcarbazepine is a sodium channel blocker<sup>[1]</sup>. Oxcarbazepine significantly inhibits glioblastoma cell growth and induces apoptosis or G2/M arrest in glioblastoma cell lines<sup>[2]</sup>. Oxcarbazepine? has anti-cancer and anticonvulsant effects<sup>[2]</sup>.

### REFERENCES

- [1]. Ashley M Thomas, et al. Old Friends With New Faces: Are Sodium Channel Blockers the Future of Adjunct Pain Medication Management? J Pain. 2018 Jan;19(1):1-9.
- [2]. Ching-Yi Lee, et al. The effects of antiepileptic drugs on the growth of glioblastoma cell lines. J Neurooncol. 2016 May;127(3):445-53.

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

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