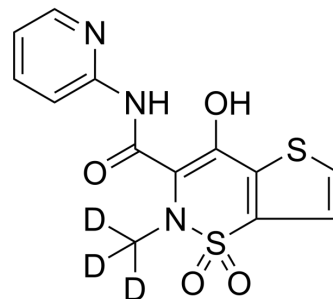


## Tenoxicam-d<sub>3</sub>

Cat. No.:	HY-B0440S
Molecular Formula:	C <sub>13</sub> H <sub>8</sub> D <sub>3</sub> N <sub>3</sub> O <sub>4</sub> S <sub>2</sub>
Molecular Weight:	340.39
Target:	COX; Isotope-Labeled Compounds
Pathway:	Immunology/Inflammation; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Tenoxicam-d <sub>3</sub> is the deuterium labeled Tenoxicam. Tenoxicam (Ro-12-0068), an antiinflammatory agent with analgesic and antipyretic properties.
<b>In Vitro</b>	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Galvao, R.I., et al., Tenoxicam exerts a neuroprotective action after cerebral ischemia in rats. *Neurochem Res*, 2005. 30(1): p. 39-46.
- [2]. Ozgocmen, S., et al., In vivo effect of celecoxib and tenoxicam on oxidant/ anti-oxidant status of patients with knee osteoarthritis. *Ann Clin Lab Sci*, 2005. 35(2): p. 137-43.
- [3]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.

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

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