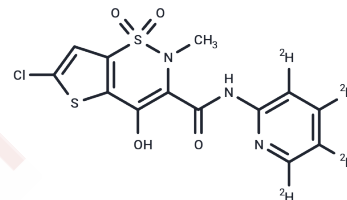


## Lornoxicam-D4

## Chemical Properties

CAS No. :	1216527-48-8
Formula:	C <sub>13</sub> H <sub>6</sub> ClD <sub>4</sub> N <sub>3</sub> O <sub>4</sub> S <sub>2</sub>
Molecular Weight:	375.85
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Lornoxicam-D4 is intended for use as an internal standard for the quantification of lornoxicam by GC- or LC-MS. Lornoxicam (T1468) is a COX inhibitor and non-steroidal anti-inflammatory drug (NSAID) with anti-inflammatory and analgesic properties. It inhibits production of thromboxane B <sub>2</sub> from arachidonic acid in HEL human erythroleukemic cells, which endogenously express COX-1, as well as inhibits LPS-induced formation of prostaglandin F <sub>1</sub> α from arachidonic acid in Mono-Mac-6 cells, which endogenously express COX-2. Lornoxicam (T1468) reduces LPS-induced production of nitric oxide and IL-6 in cell-based assays with IC <sub>50</sub> values of 65 and 54 μM, respectively. It reduces carrageenan-induced paw edema in rats when administered intravenously at doses ranging from 0.1 to 9 mg/kg. Formulations containing lornoxicam have been used in the management of postoperative pain.
Targets(IC <sub>50</sub> )	Endogenous Metabolite, COX

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6606 mL	13.3032 mL	26.6064 mL
5 mM	0.5321 mL	2.6606 mL	5.3213 mL
10 mM	0.2661 mL	1.3303 mL	2.6606 mL
50 mM	0.0532 mL	0.2661 mL	0.5321 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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