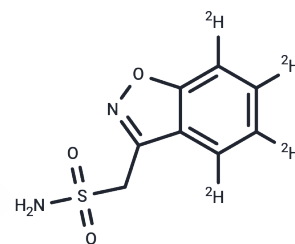


## Zonisamide-D4

## Chemical Properties

CAS No. :	1020720-04-0
Formula:	C8D4H4N2O3S
Molecular Weight:	216.25
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	Zonisamide-D4 is a deuterated compound of Zonisamide. Zonisamide (T0267) has a CAS number of 68291-97-4. Zonisamide, a sulfonamide anticonvulsant, is approved for use as an adjunctive treatment in adults with partial-onset seizures. It may inhibit a carbonic anhydrase although this is not one of the main mechanisms of action. Zonisamide (T0267) may act by blocking repetitive firing of voltage-gated sodium channels results in a reduction of T-type calcium channel currents, or by binding allosterically to GABA receptors. This latter action may lower the uptake of the inhibitory neurotransmitter GABA while increasing the uptake of the excitatory neurotransmitter glutamate.
Targets(IC50)	Calcium Channel,Carbonic Anhydrase,Sodium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6243 mL	23.1214 mL	46.2428 mL
5 mM	0.9249 mL	4.6243 mL	9.2486 mL
10 mM	0.4624 mL	2.3121 mL	4.6243 mL
50 mM	0.0925 mL	0.4624 mL	0.9249 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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