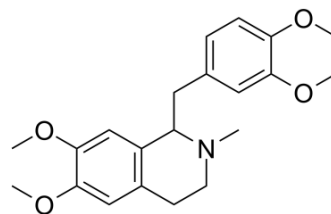


## DL-Laudanosine

<b>Cat. No.:</b>	HY-122489
<b>CAS No.:</b>	1699-51-0
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>27</sub> NO <sub>4</sub>
<b>Molecular Weight:</b>	357.44
<b>Target:</b>	Drug Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	DL-Laudanosine, an Atracurium and Cisatracurium metabolite, crosses the blood–brain barrier and may cause excitement and seizure activity <sup>[1]</sup> .								
<b>In Vivo</b>	<p>DL-Laudanosine (Laudanosine) appears to be unique in its ability to produce cerebral stimulation in lightly anaesthetized animals and it is reported to cause arousal from anaesthesia in subconvulsive doses<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>Male CFLP mice weighing 18-25 g, and male Wistar rats weighing 120-150 g<sup>[2]</sup>.</td> </tr> <tr> <td>Dosage:</td> <td>10-20 mg/kg.</td> </tr> <tr> <td>Administration:</td> <td>IV.</td> </tr> <tr> <td>Result:</td> <td>Caused convulsions and hind limb extensions.</td> </tr> </table>	Animal Model:	Male CFLP mice weighing 18-25 g, and male Wistar rats weighing 120-150 g <sup>[2]</sup> .	Dosage:	10-20 mg/kg.	Administration:	IV.	Result:	Caused convulsions and hind limb extensions.
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### REFERENCES

[1]. V Fodale, et al. Laudanosine, an Atracurium and Cisatracurium Metabolite. *Eur J Anaesthesiol.* 2002 Jul;19(7):466-73.

[2]. D J Chapple, et al. Cardiovascular and Neurological Effects of Laudanosine. *Studies in Mice and Rats, and in Conscious and Anaesthetized Dogs.* *Br J Anaesth.* 1987 Feb;59(2):218-25.

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

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