

# Lorazepam

<b><u>Generic Name:</u></b>	<b><u>Brand Name:</u></b>	<b><u>Drug Class:</u></b>
Lorazepam	Ativan	Benzodiazepine
<b><u>Mechanism of Action:</u></b>	<b><u>Time to Onset:</u></b>	<b><u>Duration of Effects:</u></b>
Binds to GABA <sub>A</sub> receptor sites, leading to skeletal muscle relaxation and amnesia	<ul style="list-style-type: none"> <li>• IV: 1-3 minutes</li> <li>• IM: 15-20 minutes</li> </ul>	6-8 hours
<b><u>Indications:</u></b>	<b><u>Contraindications:</u></b>	<b><u>Possible Side Effects:</u></b>
<ul style="list-style-type: none"> <li>• Seizures</li> <li>• Conscious sedation</li> <li>• Severe anxiety</li> </ul>	<ul style="list-style-type: none"> <li>• Neonates</li> <li>• Respiratory depression</li> </ul> <p>Use caution in:</p> <ul style="list-style-type: none"> <li>• Recent opioid use</li> <li>• Geriatrics</li> </ul>	<ul style="list-style-type: none"> <li>• Respiratory depression</li> <li>• Dizziness</li> <li>• Hypotension</li> <li>• Nausea</li> </ul>
<b><u>Administration Route:</u></b>	<b><u>Adult dose:</u></b>	<b><u>Pediatric dose:</u></b>
<ul style="list-style-type: none"> <li>• IV</li> <li>• IO</li> <li>• IM</li> </ul>	<p>Seizures/Anxiety</p> <ul style="list-style-type: none"> <li>• IV: 1-2 mg. Can repeat after 5-10 minutes (max 8)</li> <li>• IM: 2-4 mg</li> </ul> <p>Conscious sedation</p> <ul style="list-style-type: none"> <li>• IV: 0.5-2 mg</li> <li>• IM: 2-4 mg</li> </ul>	<p>Seizures</p> <ul style="list-style-type: none"> <li>• IV: 0.1 mg/kg. Can repeat in 2-5 minutes (max 2)</li> </ul> <p>Conscious sedation</p> <ul style="list-style-type: none"> <li>• IV: 0.03-0.05 mg/kg</li> </ul>
When administering lorazepam intravenously, it should be mixed with an equal volume of normal saline/sterile water to assist with distribution in the venous system.		