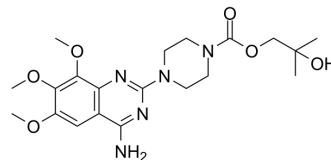


## Trimazosin

<b>Cat. No.:</b>	HY-106554
<b>CAS No.:</b>	35795-16-5
<b>Molecular Formula:</b>	C <sub>20</sub> H <sub>29</sub> N <sub>5</sub> O <sub>6</sub>
<b>Molecular Weight:</b>	435.47
<b>Target:</b>	Adrenergic Receptor
<b>Pathway:</b>	GPCR/G Protein; Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Trimazosin is an orally active, quinazoline derivative which is structurally related to prazosin. Trimazosin shows hypotensive effect by selectively block $\alpha$ 1-adrenoceptors <sup>[1][2]</sup> .								
<b>IC<sub>50</sub> &amp; Target</b>	$\alpha$ 1-adrenergic receptor								
<b>In Vivo</b>	<p>Trimazosin (10–30 mg/kg; i.h.; once) produces graded decreases in blood pressure<sup>[3]</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>Conscious spontaneously hypertensive rats (SHR)<sup>[3]</sup></td> </tr> <tr> <td>Dosage:</td> <td>10–30 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>Subcutaneous administration, once</td> </tr> <tr> <td>Result:</td> <td>Produced graded decreases in blood pressure.</td> </tr> </table>	Animal Model:	Conscious spontaneously hypertensive rats (SHR) <sup>[3]</sup>	Dosage:	10–30 mg/kg	Administration:	Subcutaneous administration, once	Result:	Produced graded decreases in blood pressure.
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Administration:	Subcutaneous administration, once								
Result:	Produced graded decreases in blood pressure.								

### REFERENCES

- [1]. J. P. Buyniski, et al. Effects of Tiodazosin, Prazosin, Trimazosin and Phentolamine on Blood Pressure, Heart Rate and on Pre- and Postsynaptic  $\alpha$ -Adrenergic Receptors in the Rat. *Clinical and Experimental Hypertension*, 1980, Vol.2(6), p.1039-1066.
- [2]. J Vincent, et al. The cardiovascular effects of trimazosin and prazosin in the rabbit. *Clin Exp Pharmacol Physiol*. 1986 Aug;13(8):593-608.
- [3]. H L Elliott, et al. Trimazosin in normotensive subjects. *Clin Pharmacol Ther*. 1984 Feb;35(2):156-60.

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

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