

## Eprosartan

**Chemical Properties**

CAS No.:	133040-01-4
Formula:	C <sub>23</sub> H <sub>24</sub> N <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	424.51
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	Eprosartan is a competitive and reversible angiotensin II receptor antagonist. It also used for the treatment of high blood pressure. The drug acts on the renin-angiotensin system to decrease total peripheral resistance. It blocks the binding of angiotensin II to AT1 receptors in vascular smooth muscle, causing vascular dilatation and it inhibits sympathetic norepinephrine production, further reducing blood pressure.
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**Solubility Information**

Solubility	DMSO: Soluble ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.356 mL	11.778 mL	23.557 mL
5 mM	0.471 mL	2.356 mL	4.711 mL
10 mM	0.236 mL	1.178 mL	2.356 mL
50 mM	0.047 mL	0.236 mL	0.471 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Takezako T, Unal H, Karnik SS, Node K. Current topics in angiotensin II type 1 receptor research: Focus on inverse agonism, receptor dimerization and biased agonism. *Pharmacol Res.* 2017 Sep;123:40-50. doi: 10.1016/j.phrs.2017.06.013. Epub 2017 Jun 23. Review. PubMed PMID: 28648738; PubMed Central PMCID: PMC5567726.
2. Yang R, Luo Z, Liu Y, Sun M, Zheng L, Chen Y, Li Y, Wang H, Chen L, Wu M, Zhao H. Drug Interactions with Angiotensin Receptor Blockers: Role of Human Cytochromes P450. *Curr Drug Metab.* 2016;17(7):681-91. Review. PubMed PMID: 27216792.
3. Castilla-Guerra L, Fernandez-Moreno Mdel C. Chronic Management of Hypertension after Stroke: The Role of Ambulatory Blood Pressure Monitoring. *J Stroke.* 2016 Jan;18(1):31-7. doi: 10.5853/jos.2015.01102. Epub 2015 Dec 17. Review. PubMed PMID: 26687120; PubMed Central PMCID: PMC4747066.
4. Zaiken K, Hudd TR, Cheng JW. A review of the use of angiotensin receptor blockers for the prevention of cardiovascular events in patients with essential hypertension without compelling indications. *Ann Pharmacother.* 2013 May;47(5):686-93. doi: 10.1345/aph.1R273. Epub 2013 Apr 12. Review. PubMed PMID: 23585649.

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