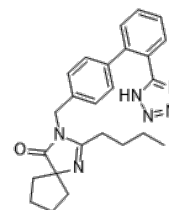


**Product Name** : Irbesartan  
**Cat. No.** : PC-23855  
**CAS No.** : 138402-11-6  
**Molecular Formula** : C<sub>25</sub>H<sub>28</sub>N<sub>6</sub>O  
**Molecular Weight** : 428.54  
**Target** : Angiotensin Receptor  
**Solubility** : 10 mM in DMSO



## Biological Activity

Irbesartan (SR 47436) is a potent, selective nonpeptide AT1 angiotensin II receptor (AT1 receptor) antagonist, inhibits [125I]AII binding to AT1 subtype receptors in rat liver membrane with IC<sub>50</sub> of 1.7 nM, with no effect on AT2 subtypes.

Irbesartan (SR 47436) inhibits contractions induced by 10 nM AII (IC<sub>50</sub> = 4.0 nM) in rabbit aorta.

Irbesartan (SR 47436) is lack of activity (IC<sub>50</sub> > 10 microM) on various other receptors, ionic channels and antiports and rabbit aorta contracted by norepinephrine and KCl, and lack of inhibition of renin and converting enzyme.

Irbesartan (SR 47436) antagonized the AII-pressor response in a dose-related manner in conscious rats.

## References

Lacour C, et al. J Hypertens. 1993 Nov;11(11):1187-94.

Cazaubon C, et al. J Pharmacol Exp Ther. 1993 May;265(2):826-34.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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