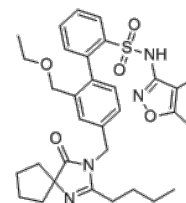


**Product Name** : Sparsentan  
**Cat. No.** : PC-20515  
**CAS No.** : 254740-64-2  
**Molecular Formula** : C<sub>32</sub>H<sub>40</sub>N<sub>4</sub>O<sub>5</sub>S  
**Molecular Weight** : 592.76  
**Target** : Angiotensin Receptor  
**Solubility** : 10 mM in DMSO



CAS: 254740-64-2

## Biological Activity

Sparsentan (RE-021, DARA-a) is a highly potent dual **angiotensin II and endothelin A receptor** antagonist with K<sub>i</sub> values of 0.8 and 9.3 nM, respectively.

Sparsentan dose dependently antagonizes the angiotensin II-induced pressor response with an ED<sub>50</sub> value of 0.8 μmol/kg iv and 3.6 μmol/kg po.

Sparsentan also shows efficacious and long acting in the big ET-1-induced pressor model.

Sparsentan causes a significant lowering of blood pressure at the lowest dose tested (10 μmol/kg/day) in spontaneously hypertensive rats.

## References

Murugesan N, et al. *J Med Chem.* 2005 Jan 13;48(1):171-9.

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

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