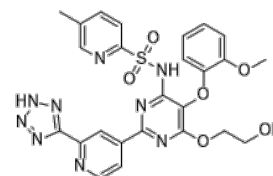


**Product Name** : Clazosentan  
**Cat. No.** : PC-23409  
**CAS No.** : 180384-56-9  
**Molecular Formula** : C<sub>25</sub>H<sub>23</sub>N<sub>9</sub>O<sub>6</sub>S  
**Molecular Weight** : 577.58  
**Target** : Endothelin Receptor  
**Solubility** : 10 mM in DMSO



CAS: 180384-56-9

## Biological Activity

Clazosentan (Ro 61-1790) is a potent, selective endothelin A (ETA) receptor antagonist, 1000-fold selectivity for the ETA over ETB receptor on functional assays.

Clazosentan (Ro 61-1790) inhibits contraction induced by ET-1 on isolated rat aorta (ETA receptors; pA<sub>2</sub> = 9.5) or by sarafotoxin S<sub>6c</sub> on rat trachea (ETB receptors; pA<sub>2</sub> = 6.4).

Clazosentan (Ro 61-1790) inhibited the pressor effect of big ET-1 in pithed rats with an ID<sub>50</sub> value of 0.05 mg/kg.

Clazosentan (Ro 61-1790) both prevented and reversed cerebral vasospasm in a dose-dependent manner in double-hemorrhage canine model of SAH.

## References

Roux S, et al. J Pharmacol Exp Ther. 1997 Dec;283(3):1110-8.

Okajima M, et al. Am J Physiol Heart Circ Physiol. 2004 Oct;287(4):H1476-83.

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

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