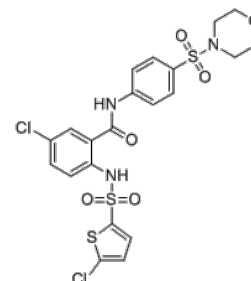


Product Name : Ataciguat
Cat. No. : PC-61607
CAS No. : 254877-67-3
Molecular Formula : C₂₁H₁₉Cl₂N₃O₆S₃
Molecular Weight : 576.478
Target : Guanylate Cyclase
Solubility : 10 mM in DMSO



Biological Activity

Ataciguat (HMR-1766) is a potent, specific **soluble guanylate cyclase** (sGC) activator with EC₅₀ of 0.51 μM, preferentially activates the NO-insensitive heme-oxidized form of sGC.

Ataciguat (HMR-1766) increases cGMP levels in cultured rat aortic smooth muscle cells.

Ataciguat (HMR-1766) induces vasorelaxation of isolated endothelium-denuded rat aorta, porcine coronary arteries, and human corpus cavernosum with EC₅₀ of 1-10 μM.

Ataciguat (HMR-1766) decreases arterial blood pressure in anesthetized pigs.

References

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Zhou Z, et al. *Am J Physiol Heart Circ Physiol*. 2008 Oct;295(4):H1763-71.

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

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