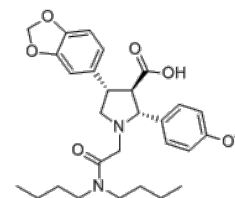


Product Name : Atrasentan
Cat. No. : PC-21324
CAS No. : 173937-91-2
Molecular Formula : C₂₉H₃₈N₂O₆
Molecular Weight : 510.63
Target : Endothelin Receptor
Solubility : 10 mM in DMSO



CAS: 173937-91-2

Biological Activity

Atrasentan (ABT-627, A-147627) is a potent, selective and orally active nonpeptide endothelin A-receptor (ETA) with IC₅₀ of 0.055 nM.

Atrasentan (ABT-627, A-147627) significantly inhibits LNCaP and C4-2b prostate cancer cell growth.

Atrasentan (ABT-627, A-147627) inhibits ET-1 radioligand binding with IC₅₀ of 0.36 nM, 1000-fold selectivity for the ET(A) vs the ET(B) receptor.

Atrasentan (ABT-627, A-147627) also is a potent inhibitor (IC₅₀=0.16 nM) of phosphoinositol hydrolysis stimulated by ET-1, and it antagonizes the ET-1-induced contraction of the rabbit aorta with a pA(2)=9.20.

References

Winn M, et al. J Med Chem. 1996 Mar 1;39(5):1039-48.

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

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