Edonentan hydrate

Cat. No.: HY-15402D

CAS No.: 264609-13-4

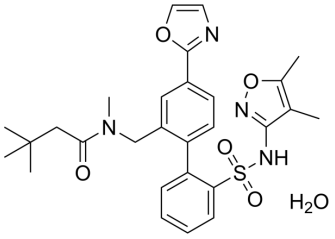
Molecular Formula: $C_{28}H_{34}N_4O_6S$

Molecular Weight: 554.66

Target: Endothelin Receptor

Pathway: GPCR/G Protein

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Edonentan (BMS 207940) hydrate is a potent and selective antagonist of the endothelin A (ETA) receptor, with a K_i of 10 pM. In rats, Edonentan has superior (100%) oral bioavailbility[1].
IC_{50} & Target	ET_A 10 pM (Ki)
In Vivo	Edonentan (3-10 μmol/kg, orally) blocks big ET-1 pressor responses[1]. Edonentan (BMS 207940) shows improved systemic clearance (Cl) and steady-state volume of distribution (Vss) in comparison to BMS-193884 (HY-19263)[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Murugesan N, et al. Biphenylsulfonamide endothelin receptor antagonists. 4. Discovery of N-[[2'-[[(4,5-dimethyl-3-isoxazolyl)amino]sulfonyl]-4-(2-oxazolyl)[1,1'-biphenyl]- 2-yl]methyl]-N,3,3-trimethylbutanamide (BMS-207940), a highly potent and orally active ET(A) selective antagonist. J Med Chem. 2003 Jan 2;46(1):125-37.

Caution: Product has not been fully validated for medical applications. For research use only.

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