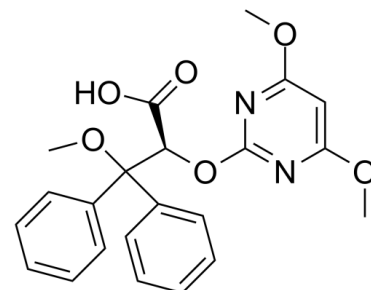


Data Sheet

Product Name:	Darusentan
Cat. No.:	CS-0006252
CAS No.:	171714-84-4
Molecular Formula:	C ₂₂ H ₂₂ N ₂ O ₆
Molecular Weight:	410.42
Target:	Endothelin Receptor
Pathway:	GPCR/G Protein
Solubility:	DMSO : ≥ 125 mg/mL (304.57 mM); H ₂ O : < 0.1 mg/mL (insoluble)



BIOLOGICAL ACTIVITY:

Darusentan is a selective **endothelin A (ETA) receptor** antagonist. Darusentan competes for radiolabeled endothelin binding in rat aortic vascular smooth muscle cells (RAVSMs) membranes with single-site kinetics, exhibiting a $K_i=13$ nM^[1].

References:

[1]. Liang F, et al. Darusentan is a potent inhibitor of endothelin signaling and function in both large and small arteries. Can J Physiol Pharmacol. 2010 Aug;88(8):840-9.

CAIndexNames:

Benzenepropanoic acid, α-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-β-methoxy-β-phenyl-, (αS)-

SMILES:

COC1=NC(OC[C@H](C(O)=O)C(C2=CC=CC=C2)(C3=CC=CC=C3)OC)=NC(OC)=C1

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

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