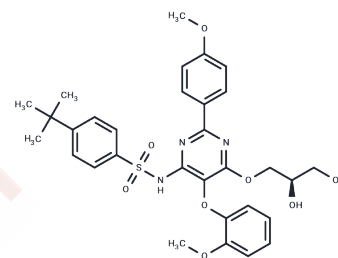


RO 46-8443

Chemical Properties

CAS No. : 175556-12-4
 Formula: C₃₁H₃₅N₃O₈
 Molecular Weight: 609.69
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	RO 46-8443 is the first non-peptide endothelin ETB receptor selective antagonist. RO 46-8443 displays up to 2000-fold selectivity for ETB receptors both in terms of binding inhibitory potency and functional inhibition.
Targets(IC ₅₀)	Endothelin Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (90.21 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6402 mL	8.2009 mL	16.4018 mL
5 mM	0.328 mL	1.6402 mL	3.2804 mL
10 mM	0.164 mL	0.8201 mL	1.6402 mL
50 mM	0.0328 mL	0.164 mL	0.328 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

- Guimarães CL, Trentin PG, Rae GA. Endothelin ET(B) receptor-mediated mechanisms involved in oleic acid-induced acute lung injury in mice. Clin Sci (Lond). 2002 Aug;103 Suppl 48:340S-344S.
- Parent R, Lavallée M. Endothelin-dependent effects limit flow-induced dilation of conductance coronary vessels after blockade of nitric oxide formation in conscious dogs. Cardiovasc Res. 2000 Jan 14;45(2):470-7.
- Thorin E, Parent R, Ming Z, Lavallée M. Contribution of endogenous endothelin to large epicardial coronary artery tone in dogs and humans. Am J Physiol. 1999 Aug;277(2 Pt 2):H524-32.

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