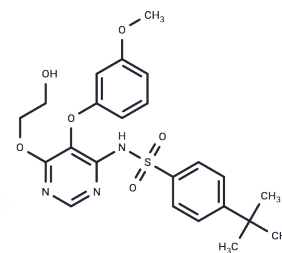


Ro 46-2005

Chemical Properties

CAS No. : 150725-87-4
 Formula: C₂₃H₂₇N₃O₆S
 Molecular Weight: 473.54
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ro 46-2005 is a synthetic non-peptide endothelin receptor antagonist, inhibits the specific binding of 125I-ET-1 to human vascular smooth muscle cells (ETA receptor, IC ₅₀ : 220 nM).
Targets(IC ₅₀)	Endothelin Receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (105.59 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.22 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1118 mL	10.5588 mL	21.1175 mL
5 mM	0.4224 mL	2.1118 mL	4.2235 mL
10 mM	0.2112 mL	1.0559 mL	2.1118 mL
50 mM	0.0422 mL	0.2112 mL	0.4224 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Breu V, et al. FEBS Lett. 1993 Nov 15;334(2):210-4.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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