

ICI 89406

Chemical Properties

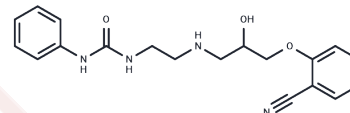
CAS No. : 53671-71-9

Formula: C₁₉H₂₂N₄O₃

Molecular Weight: 354.4

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	ICI 89406 (1-[2-[[3-(2-cyanophenoxy)-2-hydroxypropyl]amino]ethyl]-3-phenylurea) is a β -adrenergic antagonist.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	Ethanol: Soluble DMSO: 250 mg/mL (705.42 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	2.8217 mL	14.1084 mL	28.2167 mL
5 mM	0.5643 mL	2.8217 mL	5.6433 mL
10 mM	0.2822 mL	1.4108 mL	2.8217 mL
50 mM	0.0564 mL	0.2822 mL	0.5643 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

Marilyn P Law, et al. Are [O-methyl-¹¹C]derivatives of ICI 89,406 beta1-adrenoceptor selective radioligands suitable for PET? Eur J Nucl Med Mol Imaging. 2008 Jan;35(1):174-85.

Xiao F, Jiang H, Li Z, et al.Reduced hepatic bradykinin degradation accounts for cold-induced BAT thermogenesis and WAT browning in male mice.Nature Communications.2023, 14(1): 2523.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481