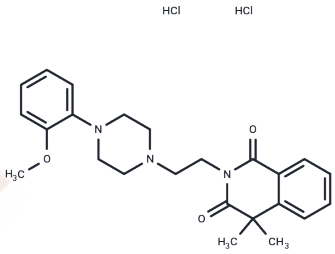
Data Sheet (Cat.No.T22033)

TargetMol

ARC 239 dihydrochloride

Chemical Properties



CAS No. : 55974-42-0

Formula: C24H31Cl2N3O3

Molecular Weight: 480.43

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	ARC 239 dihydrochloride is a selective α2B adrenoceptor antagonist with pKD values of 8.8, 6.7, and 6.4 at α2B, α2A, and α2D receptors respectively (pKD values are 8.8, 6.7, and 6.4 at α2B, α2A, and α2D receptors respectively).
Targets(IC50)	Adrenergic Receptor,Norepinephrine

Solubility Information

Solubility	DMSO: 50 mg/mL (104.07 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 (4.16 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0815 mL	10.4073 mL	20.8147 mL
5 mM	0.4163 mL	2.0815 mL	4.1629 mL
10 mM	0.2081 mL	1.0407 mL	2.0815 mL
50 mM	0.0416 mL	0.2081 mL	0.4163 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

Suzana Assad Kahn, et al. The anti-hypertensive drug prazosin inhibits glioblastoma growth via the PKCδ-dependent inhibition of the AKT pathway. EMBO Mol Med. 2016 May 2;8(5):511-26.

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