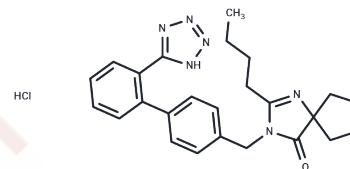


Irbesartan HCl

Chemical Properties

CAS No. :	329055-23-4
Formula:	C ₂₅ H ₂₉ ClN ₆ O
Molecular Weight:	465
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	Irbesartan is an angiotensin II receptor antagonist used mainly for the treatment of hypertension. It selectively and competitively blocks the binding of angiotensin II to the angiotensin I receptor.
Targets(IC50)	Apoptosis, RAAS, Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1505 mL	10.7527 mL	21.5054 mL
5 mM	0.4301 mL	2.1505 mL	4.3011 mL
10 mM	0.2151 mL	1.0753 mL	2.1505 mL
50 mM	0.043 mL	0.2151 mL	0.4301 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

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Ashour S, Bayram R. Selective and validated kinetic spectrophotometric method for the determination of irbesartan in pure and pharmaceutical formulations. *Ann Pharm Fr*. 2018 Nov 21. pii: S0003-4509(18)30114-7. doi: 10.1016/j.pharma.2018.09.002. [Epub ahead of print] PubMed PMID: 30471775.

Hoffmann M, Chen X, Hirano M, Arimitsu K, Kimura H, Higuchi T, Decker M. (18) F-Labeled Derivatives of Irbesartan for Angiotensin II Receptor PET Imaging. *ChemMedChem*. 2018 Dec 6;13(23):2546-2557. doi: 10.1002/cmdc.201800638. Epub 2018 Nov 15. PubMed PMID: 30430750.

Li T, Yao W. Therapeutic effect of irbesartan combined with atorvastatin calcium in the treatment of rats with coronary heart disease. *Exp Ther Med*. 2018 Nov;16(5):4119-4123. doi: 10.3892/etm.2018.6669. Epub 2018 Aug 30. PubMed PMID: 30402154; PubMed Central PMCID: PMC6200972.

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