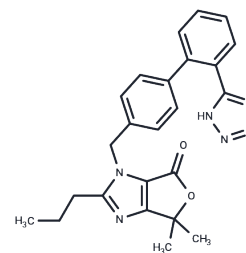


Olmesartan lactone impurity

Chemical Properties

CAS No. :	849206-43-5
Formula:	C ₂₄ H ₂₄ N ₆ O ₂
Molecular Weight:	428.496
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	Olmesartan lactone impurity is a cyclic ester impurity derived from Olmesartan, an angiotensin II receptor (AT1R) antagonist with potential applications in the study of high blood pressure.
Targets(IC50)	RAAS,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3337 mL	11.6686 mL	23.3372 mL
5 mM	0.4667 mL	2.3337 mL	4.6674 mL
10 mM	0.2334 mL	1.1669 mL	2.3337 mL
50 mM	0.0467 mL	0.2334 mL	0.4667 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

- Yanagihara H, et al. Effects of telmisartan and olmesartan on insulin sensitivity and renal function in spontaneously hypertensive rats fed a high fat diet. J Pharmacol Sci. 2016 Jul;131(3):190-7.
- Tanno T, et al. Olmesartan Inhibits Cardiac Hypertrophy in Mice Overexpressing Renin Independently of Blood Pressure: Its Beneficial Effects on ACE2/Ang(1-7)/Mas Axis and NADPH Oxidase Expression. J Cardiovasc Pharmacol. 2016 Jun;67(6):503-9.

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