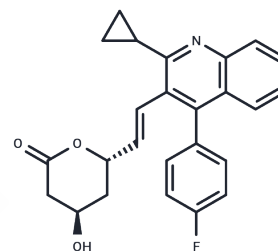


## Pitavastatin lactone

## Chemical Properties

CAS No. :	141750-63-2
Formula:	C <sub>25</sub> H <sub>22</sub> FNO <sub>3</sub>
Molecular Weight:	403.45
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	Pitavastatin lactone is the major metabolite of Pitavastatin in humans. Pitavastatin is a competitive inhibitor of HMG-CoA reductase.
Targets(IC50)	HMG-CoA Reductase, Drug Metabolite

## Solubility Information

Solubility	DMSO: 60 mg/mL (148.72 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	2.4786 mL	12.3931 mL	24.7862 mL
5 mM	0.4957 mL	2.4786 mL	4.9572 mL
10 mM	0.2479 mL	1.2393 mL	2.4786 mL
50 mM	0.0496 mL	0.2479 mL	0.4957 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

Fujino H, et al. Metabolic fate of pitavastatin, a new inhibitor of HMG-CoA reductase: human UDP-glucuronosyltransferase enzymes involved in lactonization. *Xenobiotica*. 2003 Jan;33(1):27-41.

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