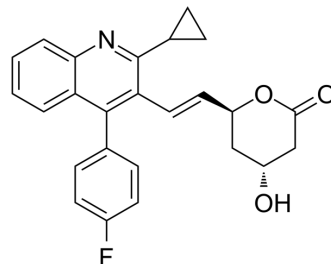


## Pitavastatin lactone

<b>Cat. No.:</b>	HY-125643		
<b>CAS No.:</b>	141750-63-2		
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>22</sub> FNO <sub>3</sub>		
<b>Molecular Weight:</b>	403.45		
<b>Target:</b>	Drug Metabolite		
<b>Pathway:</b>	Metabolic Enzyme/Protease		
<b>Storage:</b>	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (247.86 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Pitavastatin lactone is a major metabolite of Pitavastatin in humans. Pitavastatin is a potent competitive inhibitor of HMG-CoA reductase little metabolized in hepatic microsomes<sup>[1]</sup>.

### REFERENCES

[1]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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