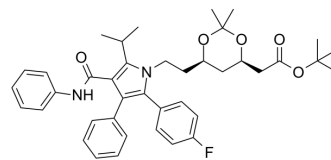


Atorvastatin acetonide tert-butyl ester

Cat. No.:	HY-135380		
CAS No.:	125971-95-1		
Molecular Formula:	C ₄₀ H ₄₇ FN ₂ O ₅		
Molecular Weight:	654.81		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (190.90 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	1.5272 mL	7.6358 mL	15.2716 mL
	5 mM	0.3054 mL	1.5272 mL	3.0543 mL
	10 mM	0.1527 mL	0.7636 mL	1.5272 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.18 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	Atorvastatin acetonide tert-butyl ester is a useful pharmaceutical intermediate in the preparation of Atorvastatin salts. Atorvastatin is an orally active HMG-CoA reductase inhibitor and has the ability to effectively decrease blood lipids ^[1] .
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REFERENCES

[1]. Process for preparing amorphous (4*r*-*cis*)-6-[2-[3-phenyl-4-(phenylcarbamoyl)-2-(4-fluorophenyl)-5-(1-methylethyl)-pyrrol-1-yl]-ethyl]-2,2-dimethyl-[1,3]-dioxane-4-yl-acetic acid. WO2005063741A1.

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

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