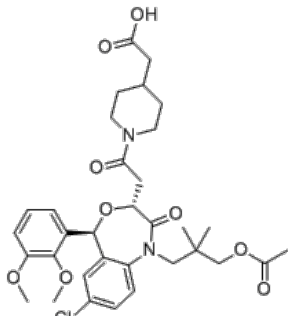


Product Name	: Lapaquistat	
Synonyms	: TAK475; TAK 475; Lapaquistat acetate	
Cat No.	: M12962	
CAS Number	: 189060-13-7	
Molecular Formula	: C33H41ClN2O9	
Formula Weight	: 645.15	
Chemical Name	1-{2-[(3R,5S)-1-(3-acetoxy-2,2-dimethylpropyl)-7-chloro-1,2,3,5-tetrahydro-2-oxo-5-(2,3-dimethoxyphenyl)-4,1-benzoxazepine-3-yl] acetyl} piperidin-4-acetic acid	
Description	A novel potent, competitive, orally active squalene synthase inhibitor with IC50 of 78 nM; displays no effect on plasma aspartate aminotransferase and alanine aminotransferase activities; effectively inhibits cholesterol synthesis in rat liver with ED50 of 2.9 mg/kg (p.o.), lowers plasma total cholesterol, triglyceride and phospholipid levels in rabbits, also inhibits the secretion of cholesterol, triglyceride and phospholipid components of very-low-density lipoprotein (VLDL) from liver. Dyslipidemia Phase 3 Discontinued	
Pathway	: Others	
Target	: Other Targets	
Receptor	: Other Targets	
Solubility	: —	
SMILES	<chem>O=C(O)CC1CCN(C(C[C@H]2O[C@H](C3=CC=CC(OC)=C3OC)C4=CC(Cl)=CC=C4N(CC(C)(C)COC(C)=O)C2=O)=O)CC1</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Miki T, et al. J Med Chem. 2002 Sep 26;45(20):4571-80. | 2. Amano Y, et al. Eur J Pharmacol. 2003 Apr 11;466(1-2):155-61. | 3. Nishimoto T, et al. Br J Pharmacol. 2003 Jul;139(5):911-8. | 4. Bumett JR. Curr Opin Investig Drugs. 2006 Sep;7(9):850-6.