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Data Sheet

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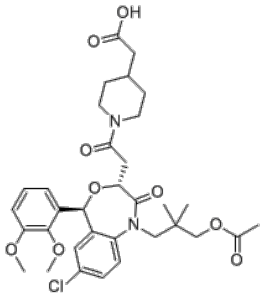
Product Name : Lapaquistat
Cat. No. : PC-61039
CAS No. : 189060-13-7
Molecular Formula : $C_{33}H_{41}ClN_2O_9$
Molecular Weight : 645.146
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Lapaquistat (TAK-475) is a novel potent, competitive, orally active **squalene synthase** inhibitor with IC50 of 78 nM. Lapaquistat (TAK-475) displays no effect on plasma aspartate aminotransferase and alanine aminotransferase activities. Lapaquistat (TAK-475) 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.

References

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Amano Y, et al. ***Eur J Pharmacol.*** 2003 Apr 11;466(1-2):155-61.

Nishimoto T, et al. ***Br J Pharmacol.*** 2003 Jul;139(5):911-8.

Burnett JR. ***Curr Opin Investig Drugs***. 2006 Sep;7(9):850-6.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com