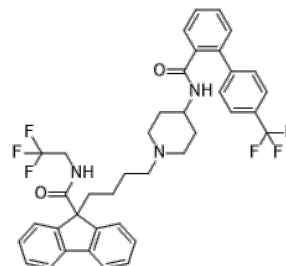


Product Name : Lomitapide
Cat. No. : PC-24772
CAS No. : 182431-12-5
Molecular Formula : $C_{39}H_{37}F_6N_3O_2$
Molecular Weight : 693.73
Target : Microsomal Triglyceride Transfer Protein (MTP)
Solubility : 10 mM in DMSO



Biological Activity

Lomitapide (AEGR-733, BMS-201038) is a highly potent inhibitor of microsomal triglyceride-transfer protein (MTP), inhibits triglyceride transfer of human MTP in vitro with IC₅₀ of 0.5 nM, inhibits secretion of apoB from HepG2 cells with IC₅₀ of 0.8 nM.

Lomitapide inhibited the production of lipoprotein particles in rodent models and normalized plasma lipoprotein levels in Watanabe-heritable hyperlipidemic (WHHL) rabbits, which are a model for human homozygous familial hypercholesterolemia.

References

- Robl JA, et al. J Med Chem. 2001 Mar 15;44(6):851-6.
Cuchel M, et al. N Engl J Med. 2007 Jan 11;356(2):148-56.
J R Wetterau, et al. Science. 1998 Oct 23;282(5389):751-4.

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

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