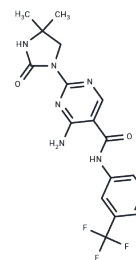


## Imanixil

## Chemical Properties

CAS No. :	75689-93-9
Formula:	C17H17F3N6O2
Molecular Weight:	394.35
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Imanixil (HOE-402 free base) is an LDL receptor (LDLR) inducer, a hypolipidemic and hypocholesterolemic compound with antiatherogenic activity that inhibits the production of very low-density lipoproteins (VLDLs). Imanixil acts by stimulating the LDL receptor pathway.
Targets(IC50)	LDL,LDLR
In vivo	Treatment with 0.05% (w/w) Imanixil (HOE-402(free base)) resulted in a maximal reduction of serum cholesterol levels in wild-type LDLR+/0 and LDLR0/0 mice by 53%, 56%, and 73%, respectively (P<0.05), and a reduction of very low-density lipoprotein (VLDL), intermediate-density lipoprotein (IDL), and low-density lipoprotein (LDL) cholesterol levels, while high-density lipoprotein (HDL) cholesterol levels increased. (LDL) cholesterol levels, and elevated high-density lipoprotein (HDL) cholesterol levels, Imanixil (HOE-402 (free base)) inhibits the production of VLDL, thereby attenuating the development of atherosclerosis. [2]

## Solubility Information

Solubility	DMSO: 80 mg/mL (202.87 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	2.5358 mL	12.6791 mL	25.3582 mL
5 mM	0.5072 mL	2.5358 mL	5.0716 mL
10 mM	0.2536 mL	1.2679 mL	2.5358 mL
50 mM	0.0507 mL	0.2536 mL	0.5072 mL

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Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

### Reference

Draijer R, et al. HOE 402 lowers serum cholesterol levels by reducing VLDL-lipid production, and not by induction of the LDL receptor, and reduces atherosclerosis in wild-type and LDL receptor-deficient mice. *Biochem Pharmacol.* 2002 May 1;63(9):1755-61.

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