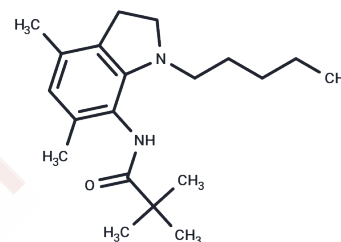


KY-455

Chemical Properties

CAS No. : 178469-71-1
 Formula: C₂₀H₃₂N₂O
 Molecular Weight: 316.48
 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	KY-455 is a novel acyl-CoA: cholesterol acyltransferase (ACAT) inhibitor. It demonstrates inhibition of ACAT in rabbit intestines, liver, macrophages, and adrenal glands with IC ₅₀ values of 0.4, 0.9, 2.9, and 4.1 μmol/L, respectively.
Targets(IC ₅₀)	Acyltransferase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1598 mL	15.7988 mL	31.5976 mL
5 mM	0.632 mL	3.1598 mL	6.3195 mL
10 mM	0.316 mL	1.5799 mL	3.1598 mL
50 mM	0.0632 mL	0.316 mL	0.632 mL

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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