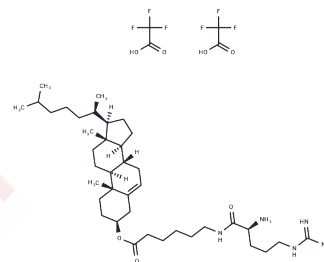


## Cho-Arg (trifluoroacetate salt)

## Chemical Properties

CAS No. :	1609010-56-1
Formula:	C43H71F6N5O7
Molecular Weight:	884.059
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	Cho-Arg is a steroid-based cationic lipid that contains a cholesterol skeleton coupled to an L-arginine head group. It forms a complex with plasmid DNA and decreases plasmid DNA migration in an agarose-gel retardant assay at charge ratios greater than or equal to 4. Cho-Arg facilitates transfection of plasmid DNA into H1299 and HeLa cells in the presence or absence of fetal bovine serum, an effect that is reversed by the lipid raft-mediated endocytosis inhibitor methyl- $\beta$ -cyclodextrin and the caveolae-mediated endocytosis inhibitor genistein. It is cytotoxic to H1299 cells ( $IC_{50} = 88.5 \mu\text{g/ml}$ ).
Targets( $IC_{50}$ )	Others,Liposome

## Solubility Information

Solubility	DMF: 50 mg/mL (56.56 mM),Sonication is recommended. DMSO: 50 mg/mL (56.56 mM),Sonication is recommended. Ethanol: 50 mg/mL (56.56 mM),Sonication is recommended. Ethanol:PBS (pH 7.2) (1:3): 0.25 mg/mL (0.28 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1311 mL	5.6557 mL	11.3114 mL
5 mM	0.2262 mL	1.1311 mL	2.2623 mL
10 mM	0.1131 mL	0.5656 mL	1.1311 mL
50 mM	0.0226 mL	0.1131 mL	0.2262 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.

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