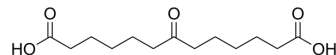


7-Oxotridecanedioic acid

Cat. No.:	HY-133952
CAS No.:	101171-43-1
Molecular Formula:	C ₁₃ H ₂₂ O ₅
Molecular Weight:	258.31
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	7-Oxotridecanedioic acid is a biodegradable cationic lipid intermediate compound for lipid nanoparticles formation. 7-Oxotridecanedioic acid can be incorporated into a lipid particle for delivering active agents ^[1] .
In Vitro	These cationic lipids can be incorporated into a lipid particle for delivering an active agent, such as a nucleic acid. 7-Oxotridecanedioic acid is extracted from patent US20150005363, intermediate 12 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Martin A Maier, et al. Biodegradable lipids enabling rapidly eliminated lipid nanoparticles for systemic delivery of RNAi therapeutics. Mol Ther. 2013 Aug;21(8):1570-8.
- [2]. Steven M Ansell, et al. Branched Alkyl And Cycloalkyl Terminated Biodegradable Lipids For The Delivery Of Active Agents. Patent US20150005363A1

Caution: Product has not been fully validated for medical applications. For research use only.

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