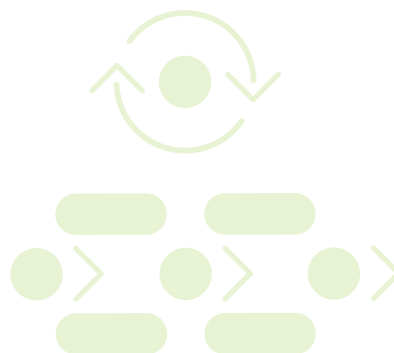
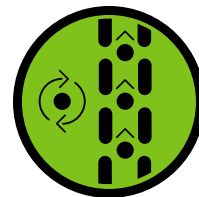


LipoMask™

Increase the circulation time of lipid particles in blood



What is LipoMask™?

- LipoMask™ increases the circulation half life of lipid particles in blood, thereby tailoring drug pharmacokinetic profiles, improving drug efficacy, and decreasing drug toxicity.
- Due to their unique surface properties, nanoparticles formed with LipoMask™ evade the RES (reticuloendothelial system) uptake normally seen with conventional lipids.

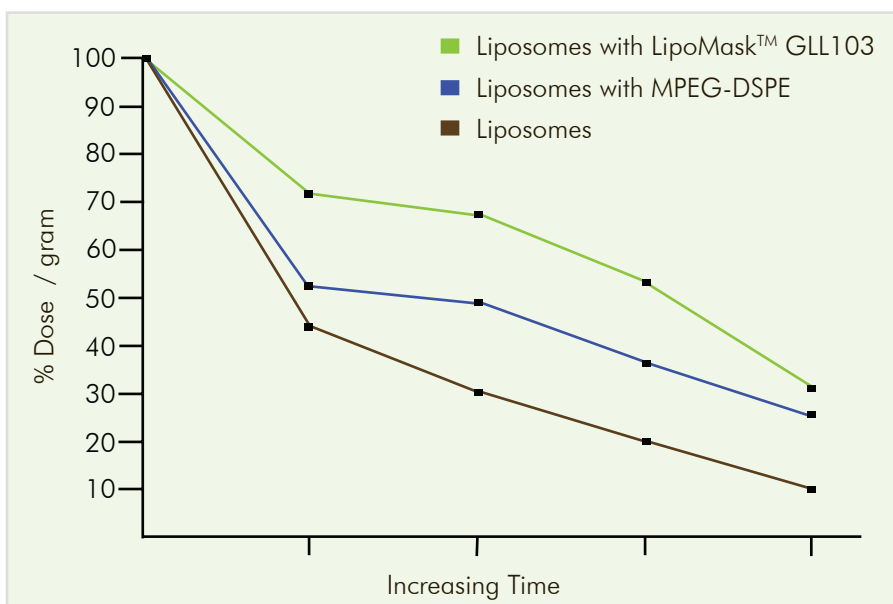
Advantages

- Increased Circulation Time
- Sustained Release
- Extended Degradation Time
- Reduced Toxicity
- Increased Loading Capacities
- Tissue Targeting

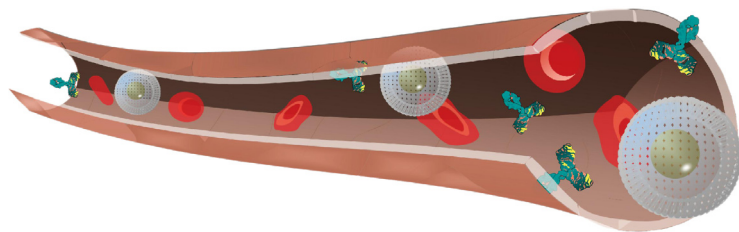
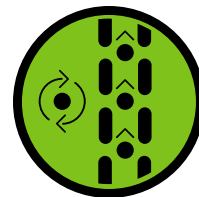
Properties & Formulation

- LipoMask™ compounds are fully synthetic with a defined chemical composition and no polydispersity.
- Nanoparticles containing LipoMask™ compounds and other lipids form an opaque suspension in an aqueous environment.
- LipoMask™ compounds formulated with lipids in nanoparticles are typically administered parenterally.

Proof of Use Comparable Blood Circulation Times In-Vivo



LipoMask™



Lipid nanoparticles containing LipoMask™ are not quickly opsonized and consequently have more chances to get to the desired site of pharmaceutical action.

Patents & Access

- LipoMask™ is broadly patent protected for both composition of matter and application in drug delivery.
- Genzyme Pharmaceuticals supports the patenting of novel combinations of LipoMask™ with specific drug compounds.
- Genzyme Pharmaceuticals presents the technology under a Confidential Disclosure Agreement permitting review for your particular application. Your research team can then design evaluations of your drug compounds together with Genzyme.
- After signature of a Technology Evaluation Agreement, the technology is transferred to your research team for evaluation in your own models, keeping the structures of your drug compounds and data confidential.
- When you identify a suitable application, the technology may then be licensed on an exclusive worldwide basis. Genzyme will supply the LipoMask™ compound and expertise to support the drug development timetable.

Company Overview

- One of the world's foremost biotechnology companies, Genzyme is a leader in developing and applying the most advanced technologies in the life sciences to address a broad range of unmet medical needs.
- Genzyme Pharmaceuticals, a business unit of Genzyme Corporation, develops and manufactures drug delivery technologies and pharmaceutical materials focusing on specialty phospholipids, peptides, and amino acid derivatives.
- Genzyme Pharmaceuticals offers the following drug delivery technologies:
 - LipoBridge® - facilitate transport of drugs across the blood brain barrier
 - LipoMask™ - increase the circulation time of lipid particles in blood

Customer Service

Americas

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