

Title (en)  
BLOOD-POOL CARRIER FOR LIPOPHILIC IMAGING AGENTS

Title (de)  
INTRAVASALRAUM.TRÄGER FÜR LIPOPHILE KONTRASTMITTEL

Title (fr)  
VEHICULE DU POOL SANGUIN POUR AGENTS D'IMAGERIE LIPOPHILES

Publication  
**EP 0973553 A2 20000126 (EN)**

Application  
**EP 98918097 A 19980410**

Priority  
• US 9807239 W 19980410  
• US 4330597 P 19970411

Abstract (en)  
[origin: WO9846275A2] A surface-modified lipoprotein-like oil-in-water emulsion useful as a blood-pool selective delivery vehicle for lipophilic imaging agents or lipophilic derivatives of water-soluble imaging agents. The blood-pool selective delivery vehicle remains in the blood for several hours, shows very little early hepatic sequestration, and is cleared from the blood within 24 hours. The mean diameter of the oil phase is less than 150 nm which minimizes sequestration by the reticuloendothelial system. The surface of the oil phase is modified with a polyethyl glycol-modified phospholipid to prevent normal interactions with the receptor sites of the hepatocytes. In radiographic imaging, radioactive or stable, synthetic or semi-synthetic polyhalogenated triglycerides, such as 2-oleoylglycerol-1,3-bis[7-(3-amino-2,4,6-triiodophenyl)heptanoate], or lipid soluble derivatives of traditional water-soluble contrast agents, such as aliphatic esters of iopanoic, diatrizoic, and acetrizic acid, may be incorporated into the lipophilic core of a lipoprotein-like emulsion particle.

IPC 1-7  
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IPC 8 full level  
**A61K 49/04** (2006.01); **A61K 51/04** (2006.01)

CPC (source: EP KR)  
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Citation (search report)  
See references of WO 9846275A2

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