

Clophosome-A™ - Clodronate Liposomes (Anionic)

Code No. : F70101C-A

Size : 2 ml, 10 ml



Product Description

Clophosome-A™- Clodronate Liposomes (Anionic)

Clophosome-A™, negatively-charged clodronate liposomes, offers superior efficiency of macrophage depletion. Clodronate molecules are encapsulated in small MLV liposomes for superior activity, physical and chemical stability, and convenience of use. It is formulated to an exceptionally high clodronate/lipid ratio. Free clodronate is cleaned out and the liposomal encapsulation efficiency of clodronate is more than 90%. Clophosome liposomes remain homogenous and suspended even after long term storage in fridge. It is not viscous and easy to inject even with fine needles. It is sterile filtered for long term shelf-life. The product is suitable for dosing with various routes including intravenous, intraperitoneal, subcutaneous, intranasal, intratracheal and etc. We have achieved 90 - 95% depletion in splenic macrophages (red pulp macrophages) 24 hours after a single 0.1 mL intravenous injection. A starting dose of 0.1-0.15 mL (i.v. or i.p.) for 20-25g animal body weight is recommended for good consistency in macrophage depletion. Optimization is recommended for your specific applications

Specifications

Product code: F70101C-A

Brand Name: Clophosome-A™

Active: Clodronate disodium. CAS: 22560-50-5

Lipid composition: phosphatidylglycerol, phosphatidylcholine and cholesterol

Bulk solution: phosphate buffered sucrose (20mM sodium phosphate, 10 wt% sucrose), pH 7.0 - 7.5

Stability: 2 months guaranteed for unopened vials