

Product Information

Imatinib & fluorocarbon liposomes

Cat. No.: X26-05-ZQ2586

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g

Synonym: Imatinib/fluorocarbon LPs; Imatinib-fluorocarbon liposomes; Imatinib and fluorocarbon co-loaded liposomes

This product is for research use only and is not intended for diagnostic use.

Product Information

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| Description | This highly advanced multi-phase formulation features imatinib and fluorocarbon co-encapsulated liposomes. The internal architecture consists of an emulsion core containing a heavy liquid fluorocarbon (such as perfluorooctyl bromide) for acoustic resonance contrast, completely enveloped within a phospholipid bilayer shell encapsulating the tyrosine kinase inhibitor imatinib. This multi-component configuration coordinates high density and high acoustic resonance parameters with the micro-encapsulation barrier of a lipid envelope, establishing a robust physical barrier that completely prevents phase separation and drug leakage under ambient laboratory conditions. |
| Source | Custom synthesis |
| Functional Group | Imatinib; Liquid fluorocarbon core |
| Form | Solid or powder |
| Purity | ≥95% |
| Impurities | No visible impurities to the naked eye. |
| Identity | HPLC/MS/NMR |
| Stability | This product is stable for one year when stored at the recommended temperature in lyophilized powder. |
| Quality Level | Research grade |
| Storage | Store at -20°C. |