

Product Information

Carmustine proliposomes

Cat. No.: X26-05-ZQ1132

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

Synonym: Carmustine PLs; Carmustine dry powder liposomes; Carmustine proliposomal formulations

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

Product Information

Description	This product consists of carmustine proliposomes formulated as a solid-state dry powder precursor matrix to stabilize a highly volatile and moisture-sensitive nitrosourea compound. The structure is composed of microcrystalline carbohydrate carriers that support a uniform layer of dehydrated lipids and carmustine. This dry configuration completely eliminates the rapid chemical hydrolysis and thermal decomposition of the nitrosourea structure that occurs instantaneously in aqueous media. Upon exposure to a cold aqueous buffer, the solid matrix dissolves immediately, allowing the lipid components to spontaneously self-assemble into small liposomal vesicles enclosing the drug.
Source	Custom synthesis
Functional Group	Carmustine
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.