

Claims

1. A method for treating or preventing a disorder or a disease whereby a pharmaceutically effective amount of a lyophilized composition, comprising at least one RNA and at least one lyoprotectant, is to be administered to a subject in need thereof, wherein the composition is obtainable by a method comprising the following steps:
 - a) providing a liquid comprising at least one RNA and at least one lyoprotectant;
 - b) introducing the liquid provided into a freeze drying chamber of a freeze dryer;
 - c) cooling the liquid to a freezing temperature, wherein the cooling is performed at a defined cooling rate;
 - d) freezing the liquid at the freezing temperature in order to obtain a frozen liquid;
 - e) reducing the pressure in the freeze drying chamber to a pressure below atmospheric pressure;
 - f) drying the frozen liquid obtained in step d) in order to obtain a lyophilized composition comprising the at least one RNA and at least one lyoprotectant
 - g) equilibrating the pressure in the freeze drying chamber to atmospheric pressure and removing the lyophilized composition comprising the at least one RNA and the at least one lyoprotectant obtained in step f) from the freeze drying chamber;
 and wherein the disorder or the disease is selected from neoplasms (e.g. cancer or tumor diseases), infectious and parasitic diseases, preferably viral, bacterial or protozoological infectious diseases, autoimmune diseases, allergies or allergic diseases, monogenetic diseases, i.e. (hereditary) diseases, or genetic diseases in general, diseases which have a genetic inherited background and which are typically caused by a single gene defect and are inherited according to Mendel's laws, chromosomal abnormalities, cardiovascular diseases, diseases of the blood and blood-forming organs, endocrine, nutritional and metabolic diseases, mental and behavioural disorders, diseases of the nervous system, diseases of the eye and adnexa, diseases of the ear and mastoid process, diseases of the circulatory system, diseases of the respiratory system, diseases of the digestive system, diseases of the skin and subcutaneous tissue, diseases of the musculoskeletal system and connective tissue, and diseases of the genitourinary system.