

Title (en)
LIPO- OR AMPHIPHILIC SCINTILLATORS AND THEIR USE IN ASSAYS

Title (de)
LIPO- ODER AMPHIPHILE SCINTILLATOREN UND IHRE VERWENDUNG IN ASSAYS

Title (fr)
SCINTILLATEURS LIPOPHILES OU AMPHIPHILES ET LEUR UTILISATION POUR DES BIOANALYSES

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Abstract (en)
[origin: WO0214290A1] The invention provides scintillator molecules, consisting of one or more X moieties, which is a phosphor, covalently attached to one or more R<1> moieties which is a lipophilic or amphiphilic group, wherein the scintillator molecule is capable of integrating into a cell, a cell membrane, a biological membrane, an artificial membrane or a delivery vehicle and when integrated can act as a phosphor. Preferred scintillator molecules are of formula. Also provided are liposomes or micelles containing the novel scintillator compounds, methods for preparing the liposomes or micelles containing the novel scintillator compounds and the use of the liposomes or micelles as delivery vehicles to insert the scintillator compounds into the cell membranes of cells. In addition, the invention provides cells containing the novel scintillator compounds and the use of the cells in assay systems.

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