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61/485,880 13 May 2011 (13.05.2011) US(71) Applicant (for all designated States except US): **WISTA LABORATORIES LTD.** [SG/SG]; 51 Ayer Rajah Crescent, #07-01/02, Singapore 139948 (SG).

(72) Inventors; and

(71) Applicants : **CLUNAS, Scott** [GB/GB]; WisTa Laboratories Ltd., Department of Chemistry, Meston Walk, Old Aberdeen AB24 3UE, SCOTLAND (GB). **STOREY, John, Mervyn, David** [GB/GB]; WisTa Laboratories Ltd., Department of Chemistry, Meston Walk, Old Aberdeen AB24 3UE, SCOTLAND (GB). **SINCLAIR, James, Peter** [GB/GB]; WisTa Laboratories Ltd., Department of Chemistry, Meston Walk, Old Aberdeen AB24 3UE, SCOTLAND (GB). **BADDELEY, Thomas, Craven** [GB/GB]; WisTa Laboratories Ltd., Department of Chemistry, Meston Walk, Old Aberdeen AB24 3UE, SCOTLAND (GB). **ISHAQ, Ahtsham** [GB/GB]; WisTa Laboratories Ltd., Department of Chemistry, Meston Walk, Old Aberdeen AB24 3UE, SCOTLAND (GB). **SIMPSON, Michael** [GB/GB]; WisTa Laboratories Ltd., Department of Chemistry, Meston Walk, Old Aberdeen AB24 3UE, SCOTLAND (GB). **WILLIAMSON, Craig** [GB/GB]; ID Business Solutions Ltd., 2 Occam Court, Surrey Research Park, Guildford,Surrey, GU2 7QB (GB). **WOOD, Barry, Alan** [GB/GB]; WisTa Laboratories Ltd., Department of Chemistry, Meston Walk, Old Aberdeen AB24 3UE, SCOTLAND (GB). **WISCHIK, Claude, Michel** [FR/GB]; WisTa Laboratories Ltd., Department of Chemistry, Meston Walk, Old Aberdeen AB24 3UE, SCOTLAND (GB). **HARRINGTON, Charles, Robert** [GB/GB]; WisTa Laboratories Ltd., Department of Chemistry, Meston Walk, Old Aberdeen AB24 3UE, SCOTLAND (GB). **RICKARD, Janet, Elizabeth** [GB/GB]; WisTa Laboratories Ltd., Department of Chemistry, Meston Walk, Old Aberdeen AB24 3UE, SCOTLAND (GB). **HORSLEY, David** [GB/GB]; WisTa Laboratories Ltd., Department of Chemistry, Meston Walk, Old Aberdeen AB24 3UE, SCOTLAND (GB). **LOH, Yin, Sze** [SG/SG]; WisTa Laboratories Ltd., Department of Chemistry, Meston Walk, Old Aberdeen AB24 3UE, SCOTLAND (SG).

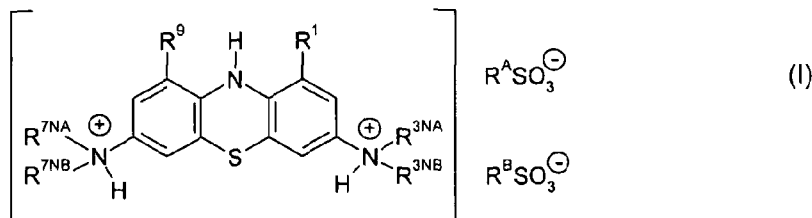
(72) Inventors; and

(75) Inventors/Applicants (for US only): **MARSHALL, Colin** [GB/GB]; WisTa Laboratories Ltd., Department of Chemistry, Meston Walk, Old Aberdeen AB24 3UE, SCOTLAND (GB). **KHAN, Karrar, Ahmad** [GB/GB]; WisTa Laboratories Ltd., Department of Chemistry, Meston Walk, Old Aberdeen AB24 3UE, SCOTLAND (GB).(74) Agents: **KREMER, Simon, M.** et al.; Mewburn Ellis LLP, 33 Gutter Lane, London EC2V 8AS (GB).

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(54) Title: PHENOTHIAZINE DIAMINIUM SALTS AND THEIR USE

(57) Abstract: The invention relates to compounds of general formula (I): wherein: each of R¹ and R⁹ is independently selected from: -H, C₁₋₄alkyl, C₂₋₄alkenyl, and halogenated C₁₋₄alkyl; each of R^{3NA} and R^{3NB} is independently selected from: -H, C₁₋₄alkyl, C₂₋₄alkenyl, and halogenated C₁₋₄alkyl; each of R^{7NA} and R^{7NB} is independently selected from: -H, C₁₋₄alkyl, C₂₋₄alkenyl, and halogenated C₁₋₄alkyl; and wherein: each of R^A and R^B is independently selected from: C₁₋₄alkyl, halogenated C₁₋₄alkyl, and C₆₋₁₀aryl; or R^A and R^B are linked to form a group selected from: C₁₋₆ alkylene and C₆₋₁₀ arylene; and pharmaceutically acceptable salts thereof, which are useful in the treatment of, for example, Alzheimer's disease. In other aspects the invention also relates to novel formulations of 3,7-diamino-10H-phenothiazinium salts.



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