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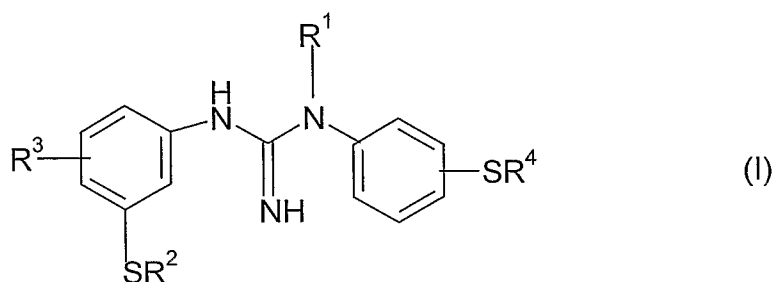
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(54) Title: IMAGING 18F OR 11C-LABELLED ALKYLTHIOPHENYL GUANIDINES



(57) Abstract: The invention provides a compound of formula (I); or a salt or solvate thereof, wherein: R¹ is hydrogen or C₁₋₄alkyl; R² and R⁴ are each independently selected from C₁₋₄ alkyl, [¹¹C] C₁₋₄alkyl, and [¹⁸F]-C₁₋₄ fluoroalkyl provided that at least one of R² and R⁴ is [¹¹C] C₁₋₄alkyl or [¹⁸F]-C₁₋₄ fluoroalkyl; and R³ is halo. Such compounds having use for imaging central nervous system receptors.