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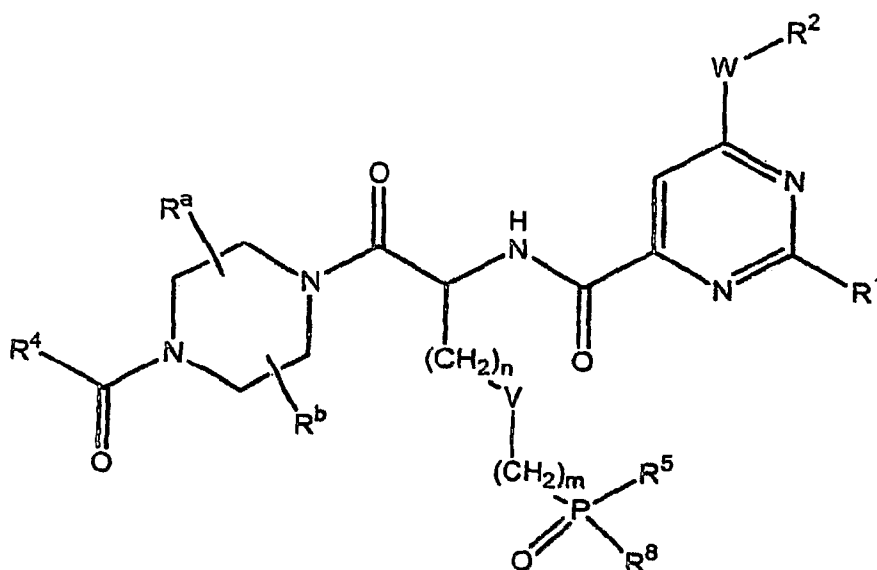
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(57) Abstract: The invention relates to 2-phenyl-pyrimidine derivatives containing a phosphonic acid motif and their use as P2Y₁₂ receptor antagonists in the treatment and/or prevention of peripheral vascular, of visceral-, hepatic- and renal-vascular, of cardiovascular and of cerebrovascular diseases or conditions associated with platelet aggregation, including thrombosis in humans and other mammals. (I).