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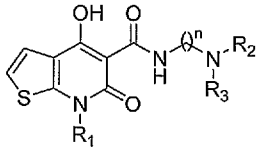
(54) Title: THIENOPYRIDINONE COMPOUNDS AND METHODS OF TREATMENT



(I)

(57) Abstract: The invention relates to 5-HT_4 receptor agonists and partial agonists of the formula (I). Novel thienopyridinone compounds and synthesis and uses thereof for treating diseases mediated directly or indirectly by 5-HT_4 receptors, are disclosed. Such conditions include Alzheimer's disease, cognition disorders, irritable bowel syndrome, Parkinson's disease, nausea, emesis, vomiting, prokinesia, gastroesophageal reflux disease, and nonulcer dyspepsia. Methods of preparation and novel intermediates and pharmaceutical salts thereof are also included.

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