pyridine derivatives

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Synthesis, Biological Evaluation, Calcium Channel Antagonist Activity, and Anticonvulsant Activity of Felodipine Coupled to a Dihydropyridine- Pyridinium Salt Redox Chemical Delivery System. — Starting from the diketene (I) the title felodipine-chemical delivery system (X) is prepared and evaluated as a potential anticonvulsant agent. (X) is highly lipophilic. It enters the brain readily, and it undergoes facile oxidation to (IX) that is retained in brain tissues up to 4 days after drug administration. — (YIU, S.; KNAUS, E. E.; J. Med. Chem. 39 (1996) 23, 4576-4582; Fac. Pharm. Pharm. Sci., Univ. Alberta, Edmonton, Alberta T6G 2N8, Can.; EN)