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(54) Title: COMPOSITIONS COMPRISING ENZYME-CLEAVABLE KETONE-MODIFIED OPIOID PRODRUGS AND OPTIONAL INHIBITORS THEREOF

(57) Abstract: A method of providing a patient with controlled release of ketone-containing opioid using a prodrug capable, upon enzymatic activation and intramolecular cyclization, of releasing the ketone-containing opioid is disclosed. The disclosure also provides such prodrug compounds and pharmaceutical compositions comprising such compounds. Such pharmaceutical compositions can optionally include an enzyme inhibitor that interacts with the enzyme(s) to mediate the enzymatically-controlled release of the ketone-containing opioid from the prodrug so as to modify enzymatic cleavage of the prodrug. Also included are methods to use such compounds and pharmaceutical compositions.



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