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(54) Title: DIKETO ACIDS WITH NUCLEOBASE SCAFFOLDS: ANTI-HIV REPLICATION INHIBITORS TARGETED AT HIV INTEGRASE

(57) Abstract: A new class of diketo acids constructed on nucleobase scaffolds, designed as inhibitors of HIV replication through inhibition of HIV integrase, is described. These compounds are useful in the prevention or treatment of infection by HIV and in the treatment of AIDS and ARC, either as the compounds, or as pharmaceutically acceptable salts, with pharmaceutically acceptable carriers, used alone or in combination with antivirals, immunomodulators, antibiotics, vaccines, and other therapeutic agents. Methods of treating ADDS and ARC and methods of treating or preventing infection by HIV are also described. Compounds of the present application include those of formula I are defined as follows: Formula (I) including tautomers, regioisomers, geometric isomers, and where applicable, optical isomers thereof, and pharmaceutically acceptable salts thereof, wherein the nucleobase scaffold and R groups are as otherwise defined in the specification.



WO 2006/083553 A3