

TITLE: RENAL DISEASE TREATMENT BASED ON HISTONE STATUS

FIELD OF INTEREST

Biotechnology, Pharma (Renal, Inflammation)

CLINICAL NEED

Chronic Kidney Disease (CKD) was the leading cause of death that increased more between 1990 and 2013 globally, after HIV infection. Current treatment for renal pathology is unsatisfactory: there is no adequate treatment to reduce the severity or accelerate the recovery after Acute Renal Failure (ARF) and/or Chronic Kidney Disease (CKD).

DESCRIPTION OF THE INVENTION

Post-translational modifications of histones such as methylation, acetylation or phosphorylation, modifications play a key role in various biological processes such as development, cell differentiation, cell death or inflammation.

The invention is based on a new therapy that modifies histone status providing a nephroprotective effect in Chronic Kidney Disease (CKD) and Acute Renal Failure (ARF).

TECHNOLOGY KEYWORDS

Histones, Crotonic-based compounds, chronic kidney disease, acute renal failure.

IPR STATUS

Patent application number: P201531677.

Applicants: IIS-FJD.

TYPE AND ROLE OF PARTNER

Looking for technological partners for going through clinical trials as well as commercial partners interested in licensing.

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