

Title (en)

ANTI-CANCER ACTIVITIES OF A NEW FAMILY OF ETHACRYNIC ACID DERIVATIVES

Title (de)

ANTI-KREBS-AKTIVITÄTEN EINER NEUEN FAMILIE VON ETACRYNSÄUREDÉRIVATEN

Title (fr)

ACTIVITÉS ANTICANCÉREUSES D'UNE NOUVELLE FAMILLE DES DÉRIVÉS DE L'ACIDE ETHACRYNIQUE

Publication

EP 3887380 A1 20211006 (FR)

Application

EP 19839176 A 20191129

Priority

- MA 44038 A 20181129
- MA 2019000013 W 20191129

Abstract (en)

[origin: WO2020111921A1] The present invention relates to a new class of small anti-cancer molecules derived from ethacrynic acid (symbolized by AE). The invention relates to the in vitro and in vivo anti-cancer activities and to the methods for producing the new AE family. New AE analogues were synthesized and then the in vitro cytotoxic activities thereof were evaluated on the P815 tumour cell line using the MTT test. The AE derivative which exhibited the best in vitro cytotoxicity was then tested in vivo using the DBA2/P815 (H2d) mouse model. At 30 mg/kg, the effective dose, the animals showed general tolerance with a percentage survival of around 80%, and no significant weight loss was observed.

IPC 8 full level

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CPC (source: EP US)

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Citation (search report)

See references of WO 2020111921A1

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