

Title (en)

CHEMICAL COMPOUNDS ACTING AS PERK INHIBITORS

Title (de)

ALS PERK-HEMMER WIRKENDE CHEMISCHE VERBINDUNGEN

Title (fr)

COMPOSÉS CHIMIQUES AGISSANT COMME INHIBITEURS DE PERK

Publication

**EP 3116877 A1 20170118 (EN)**

Application

**EP 15714943 A 20150311**

Priority

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Abstract (en)

[origin: WO2015136463A1] The invention is directed to substituted pyrrolidinone derivatives. Specifically, the invention is directed to compounds according to Formula X: wherein R41, R42, R43, R44, R45, R46, and R47 are defined herein. The compounds of the invention are inhibitors of PERK and can be useful in the treatment of cancer and diseases associated with activated unfolded protein response pathways, such as Alzheimer's disease, stroke, diabetes, Parkinson disease, Huntington's disease, Creutzfeldt- Jakob Disease, and related prion diseases, amyotrophic lateral sclerosis, myocardial infarction, neurodegeneration, cardiovascular disease, atherosclerosis, ocular diseases, and arrhythmias, more specifically cancers of the breast, colon, pancreas and lung. Accordingly, the invention is further directed to pharmaceutical compositions comprising a compound of the invention. The invention is still further directed to methods of inhibiting PERK activity and treatment of disorders associated therewith using a compound of the invention or a pharmaceutical composition comprising a compound of the invention.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2015136463A1

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