Apoptosis - Pharmacological Implications and Therapeutic Opportunities (A Volume in the Advances in Pharmacology Series)

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Notes: -

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Tags: #Resolution #Pharmacology: #Opportunities #for #Therapeutic #Innovation #in #Inflammation



In developing these agents, better understanding of endocannabinoid pathways, signalling systems and microenvironmental signals modulating their activity is essential, for example,



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neuroprotective, anti-apoptotic actions of the phytocannabinoid cannabidiol.

Apoptosis: pharmacological implications and therapeutic opportunities (Book, 1997) [play.fridaynightfunk.rf.gd]

Cotter, Role of Bcr-Abl Kinase n Resistance to Apoptosis. Apoptosis and autophagy: decoding calcium signals that mediate life or death. Unlike necroptotic cells, apoptotic cells lack these features and are characterized by plasma membrane blebbing, cell shrinkage, chromatin condensation, cleavage of chromosomal DNA and formation of apoptotic bodies without rupture of the plasma membrane Fig.

European Review for Medical and Pharmacological Sciences

GIF-0173 protects against cerebral infarction through DP1 receptor activation. It is beyond the scope of this review to list all the stimuli related to necroptosis from the current literature; therefore, we summarize the above triggers, which are most likely important in necroptosis induction.

Apoptosis: pharmacological implications and therapeutic opportunities (Book, 1997) [play.fridaynightfunk.rf.gd]

Where O death is thy sting? Omega-3 N-acylethanolamines are endogenously synthesised from omega-3 fatty acids in different human prostate and breast cancer cell lines. So far, approaches involving SMAC-like peptides often failed to induce apoptosis as single agents, but nevertheless sensitized cancer cell lines or xenograft mouse models of human glioma and non-small cell lung cancer to TRAIL or chemotherapy.

Figure 3 from Integrins in cancer: biological implications and therapeutic opportunities

Most other caspases play key roles in programmed cell death, some of them acting as initiator caspase-8, -9 and -10 and others as executioner caspases caspase-3, -6 and -7.

Apoptosis: pharmacological implications and therapeutic opportunities (Book, 1997) [play.fridaynightfunk.rf.gd]

It is unknown whether caspases have physiological roles beyond that of apoptosis, and if so, whether this would bring the risk for toxicity in using caspase inhibitors. There is current interest in roles of these PGs in angiogenesis and neovascularization and.

Bypassing drug resistance by triggering necroptosis: recent advances in mechanisms and its therapeutic exploitation in leukemia

Geldanamycin has been reported to deplete mutant p53 in various tumor cell lines. This caveat holds also true for endogenous inhibitors of apoptosis. Arachidonic acid-induced apoptosis of human neuroblastoma SK-N-SH cells is mediated through mitochondrial alteration elicited by ROS and Ca2+-evoked activation of p38 α MAPK and JNK1.

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