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综合性生命科学信息数据库

BIOSIS Previews由两部分数据库组成：

- ↗ **Biological Abstracts**
- 生物学文摘 (简称BA)
- ↗ **Biological Abstracts/RRM(Reports, Review, Meetings)**
- 生物学文摘/报告、综述、会议



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BIOSIS Previews 所覆盖的学科

- ✓ 植物学
- ✓ 动物学
- ✓ 分子生物学
- ✓ 生态学/环境科学
- ✓ 微生物学
- ✓ 兽医学
- ✓ 生物技术与遗传学
- ✓ 生物医学
- ✓ 农业
- ✓ 生物化学
- ✓ 药理学
- ✓ 仪器与方法



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- ↗ **每年增录 ~560,000 条记录**
— 国际性 — >90 个国家
- 文献类型

• 期刊论文	350,000
• 会议文献	160,000
• 综述	20,000
• 书籍与章节	13,000
• 美国专利	16,000 (1999-)



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BIOSIS Previews 收录的文献类型

- > 5,500种国际性的学术期刊
 - > 其中, 1,800种期刊 cover-to-cover 收录
 - > >90% 期刊文献提供作者摘要
- > 每年1,500个会议文献
- > 书籍与章节
- > 综述
- > 每年16,000 个美国专利



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BIOSIS Previews – 检索途径

- ↗ 主题 (Topic)
- ↗ 学科 (Major Concepts)
- ↗ 上位生物分类 (Super Taxa)
- ↗ 作者 (Author)
- ↗ 专利权人 (Patent Assignee)
- ↗ 专利号 (U.S. Patent Number)
- ↗ 源出版物 (Source Publication)
- ↗ 会议信息 (MeetingInfo)
- ↗ 地址 (Address)



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BIOSIS Previews “Topic” 检索途径

- 标题
- 作者摘要
- 有机体
- 学科
- 上位生物分类
- 系统分类
- 有机体的局部、结构等
- 疾病
- 化学物质和生物物质
- CA化合物登记号
- DNA序列数据
- 方法和仪器
- 地理政治学位置
- 时间（地质学纪元）
- 行业
- 混和描述项
- 替代索引



BIOSIS Previews “Topic” 检索途径

- CAS 化合物登记号 (1998-present)
 - 登记号:
 - 93957-54-1: FLUVASTATIN;
 - 79902-63-9: SIMVASTATIN;
 - 75330-75-5: LOVASTATIN
- 替代索引 (MeSH 疾病术语):
 - MeSH 疾病术语 (1999-present)
 - Arthritis, Rheumatoid (MeSH)



相关索引——得到精确的结果

如果论文中还有以下信息，也会用以下相关索引的结构加以标引：


- 生物体：上级分类、俗名、描述词、是否是新的物种、或者是化石
- 化合物：化学名、药品名、商品名、系统名；用途
- 实验方法、仪器；用途
- 地理区划：动物分布区划、政治区划、水体区划

其它：器官、组织、系统、细胞亚结构：线粒体、叶绿体；消化系统；细胞株系等。

大分子序列：核酸序列（包括基因名、基因来源生物体及该生物体的上级分类）、蛋白序列、糖序列

疾病：动物、植物、人类疾病；Mesh词表

年代：近代、古生代等



提高查准率

- 使用 SAME 运算符：连接在同一个句子中的检索词 **Aspirin SAME analgesic (Topic)**
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 - Turkey yields 759 hits
 - Turkey SAME Palaeartic region yields 399 hits (Geopolitical Location)
 - Turkey SAME Galliformes yields 245 hits (Organism)




检索作者信息

- 可用全名检索，姓在前，名在后
- 最多可检索100位作者
- 提供作者姓名和通讯作者的地址
- 作者地址包括E-mail地址



检索出版物信息：期刊

- Source field：输入期刊或书籍名称
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- 示例
 - Bone Marrow Transplantation
 - New England Journal of Medicine
 - Cell
- Full journal details in BIOSIS Serial Sources



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检索会议信息

- 文献类型
- 会议信息
 - 会议名称
 - 日期
 - 地点
 - 主办机构

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检索出版物信息：美国专利和软件评述

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- 其它途径
 - 专利权人
 - 专利号
- 文献类型：Software Reviews

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独有的检索途径

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检索结果概要表

标记检索记录

浏览全记录

检索得到的记录数目在此显示

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Molecular basis of 2',3'-dideoxythymine-induced drug resistance in human cells
Innocenti, Alessandra; Galvani, Luca; Russo, Antonella; Achilli, Francesco; Ghisleni, Luca; Ragnani, Mauro
Molecular and Cellular Biochemistry
231 (3-3): 173-177 February 2002

Document type: Article Language: English

完整的作者摘要

Abstract:
Human nonblastoid cells (NS37) grown in the presence of therapeutically relevant dideoxythymine concentrations (0.1 μM) become resistant to the drug thanks to an altered dideoxythymine kinase. In this paper we show that dideoxythymine kinase mRNA is significantly reduced in drug-resistant NS37 cells (NS37-R) although the dideoxythymine kinase promoter is normal. A number of nucleotide deletions, insertions and substitutions was found in the coding region of dideoxythymine kinase gene. Several identified mutations result in truncated forms of the enzyme or in the introduction of stop codons: in one case a complete lack of exon 4 was found. Thus, the dideoxythymine kinase gene accumulates mutations at a very high rate, as already reported for other cytidine analogues (i.e. Aza C) suggesting that the design of new antiviral or anticancer drugs of the cytidine family should take into account the potential development of cell resistance as a critical factor in drug failure.

通讯作者地址

Addresses:
Ragnani, Mauro
"F. Formini" Institute of Biological Chemistry, University of Urbino, Via Saffi 2, 61023, Urbino Italy; E-mail: ragnani@uniurb.it, Italy

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MAJOR CONCEPTS Enter the broad subject term, e.g., WILDLIFE MANAGEMENT. Select from list. (Available 1992 to present)

CONCEPT CODE/HEADING Enter the Concept Code or Heading, e.g. 22508 or VETERINARY TOXICOLOGY. Select from list.

PATENT ASSIGNEE Enter name of person or institution, e.g., PIERCE J* or SCRIPPS (Available 1986-1989 & 1999 to present)

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Article 41 of 217

Model Example
Doxorubicin and Mitomycin Synergism in the Inhibition of Growth of Human Colon Carcinoma

Concept Code
E2247 Doxorubicin analog
M202 Mitomycin analog general
M202 Doxorubicin analog analog

Super Taxa
Human Colon Carcinoma, Mitomycin, Doxorubicin, Colon Carcinoma

Document type: Article

Abstract
Doxorubicin (doxorubicin) and Mitomycin (mitomycin) were evaluated for their synergistic effects on the growth of human colon carcinoma (HCT 116) cells in vitro. The results showed that the combination of doxorubicin and mitomycin had a synergistic effect on the growth of HCT 116 cells in vitro.

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Article 1 of 7

Inhibition of apoptosis cell death and prevention of tumor growth by c-myc analogs in metastatic human colon cancer

c Fudge, Hansel A, Sackan, David, Heman, Yanf A, Chan, Jui-Ryan

Cancer Research
61 (3) 1233-1240 February 1, 2001

Document type: Article Language: English

Abstract
Dysregulation in the physiological pathways of programmed cell death may promote proliferation of malignant cells, and correction of such defects may selectively induce apoptosis in cancer cells. We examined the levels of c-myc, a candidate lipid mediator of apoptosis, in human metastatic colorectal cancer and tested in vitro and in vivo effects of various c-myc analogs in inducing apoptosis in metastatic colon cancer. Human colon cancer showed a 30% decrease in the cellular content of c-myc when compared with normal colon tissues. Application of c-myc analogs and c-myc inhibitors induced rapid cell death through activation of various serine-protein kinases, such as p38 and release of endonuclease

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全文连接

BIOSIS Previews 2.0

Search Results - Full Record

Article 1 of 7

Inhibition of apoptosis cell death and prevention of tumor growth by c-myc analogs in metastatic human colon cancer

c Fudge, Hansel A, Sackan, David, Heman, Yanf A, Chan, Jui-Ryan

Cancer Research
61 (3) 1233-1240 February 1, 2001

Document type: Article Language: English

CITED REFERENCES CITING ARTICLES RELATED RECORDS

引文和相关记录连接

BIOSIS Previews: 跨库检索的一部分

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ISI CrossSearch™ matched the query "1000" with 50% relevance (300 shown)

Results Page 1 (Articles 1 - 10)

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Dale, LC, Edwards, DE, Weber, TD, et al.
Weight change after smoking cessation using variable doses of transdermal nicotine replacement
J GEN INTERN MED 13 (7): 5-15 1998
matching: exact effect: none path: none weight: ...

Tsok, JY, McClure, BJ, Sizer, KL, et al.
Smoking cessation 2. Components of effective interventions
BRIT MED J 317: 15-20 1997
matching: exact effect: none path: none weight: ...

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