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Research Topic

Apple Pectin

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Our technology pulls from the equivalent of 20,454+ years of scientific experimental labor and pulls results based on variables the user decides are relevant.

Below you will find compelling research hard-referenced to peer-reviewed biomedical research sourced from the US National Library of Medicine. For more research on over 6000 validated topics, please visit <http://GreenMedInfo.com/research-dashboard>

Overview of Terms

Associated with Your Search Topic

18 Relevant Results for

Diseases

Disease/Symptom	Cumulative Knowledge	Article Count
Radiation-Induced Illness: Cesium-137 Exposure	31	4
Cardiovascular Diseases	10	1
Diarrhea	10	1
Colon Cancer	4	2
Cancer Metastasis	2	1
Colorectal Cancer	2	1
Colorectal Tumors	2	1
Insulin Resistance	2	1
Liver Cancer	2	1
Malabsorption Syndrome	2	1
Radiation Induced Illness	2	1
Radiation-Induced Illness: Americium	2	1
Radiation-Induced Illness: Plutonium	2	1
Breast Cancer: Triple Negative	1	1
Endotoxemia	1	1
Influenza A	1	1
Radiation Disaster Associated Toxicity	1	1
Staphylococcal Infections	1	1

10 Relevant Results for Pharmacological Actions

Pharmacological Action Name	Cumulative Knowledge	Article Count
Radioprotective	23	4
Detoxifier	21	3

Detoxifier: Radionuclide Removal	20	2
Antioxidants	10	1
Anti-Bacterial Agents	1	1
Antiproliferative	1	1
Antiviral Agents	1	1
Apoptotic	1	1
Cell cycle arrest	1	1
Viral Hemagglutinin Inhibitor	1	1

13 Relevant Results for Substances

Substance Name	Cumulative Knowledge	Article Count
Chamomile	10	1
Quercetin	10	1
Bifidobacterium	2	1
Bifidobacterium Longum	2	1
Calcium	2	1
Lactobacillus casei	2	1
Vitamin C	2	1
Beet	1	1
Citrus Pectin	1	1
Flaxseed	1	1
Gum arabic	1	1
Myrrh	1	1
Pectin	1	1

2 Relevant Results for Keywords

Keyword Name	Cumulative Knowledge	Article Count

Dose Response	10	1
Bacteriostatic	2	1

View the Evidence. 15 Research Articles in Total.

Category : Diseases

Breast Cancer: Triple Negative (AC 1) (CK 1)

Apple pectic acid without any modification could trigger apoptosis in MDA-MB-231 human breast cancer cells and has potential to improve cancer treatment as a natural product.

Pubmed Data : Asian Pac J Cancer Prev. 2015 ;16(13):5265-71. PMID: [26225664](#)

Article Published Date : Dec 31, 2014

Authors : Ladan Delphi, Houri Sepehri, Mohammad Reza Khorramizadeh, Fatemeh Mansoori

Study Type : In Vitro Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13)

Diseases : Breast Cancer: Triple Negative : CK(196) : AC(13)

Pharmacological Actions : Antiproliferative : CK(2321) : AC(1573), Apoptotic : CK(2582) : AC(1717), Cell cycle arrest : CK(670) : AC(358)

Cancer Metastasis (AC 1) (CK 2)

Apple pectin and Lactobacillus casei inhibit liver cancer

metastasis.

Pubmed Data : Hum Cell. 1999 Dec;12(4):189-96. PMID: [10834105](#)

Article Published Date : Dec 01, 1999

Authors : K Tazawa, K Yatuzuka, M Yatuzuka, J Koike, H Ohkami, T Saito, Y Ohnishi, M Saito

Study Type : Animal Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13), Lactobacillus casei : CK(156) : AC(29)

Diseases : Cancer Metastasis : CK(285) : AC(145), Liver Cancer : CK(2373) : AC(287)

Cardiovascular Diseases (AC 1) (CK 10)

Apple pectin significantly reduces Cesium-137 load within 16 days in children exposed to radioisotopes as a result of Chernobyl.

Pubmed Data : Swiss Med Wkly. 2004 Dec 18;134(49-50):725-9. PMID: [15635491](#)

Article Published Date : Dec 18, 2004

Authors : G S Bandazhevskaya, V B Nesterenko, V I Babenko, T V Yerkovich, Y I Bandazhevsky

Study Type : Human Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13)

Diseases : Cardiovascular Diseases : CK(6477) : AC(665), Radiation-Induced Illness: Cesium-137 Exposure : CK(94) : AC(24)

Pharmacological Actions : Detoxifier : CK(397) : AC(125), Detoxifier: Radionuclide Removal : CK(23) : AC(4), Radioprotective : CK(604) : AC(226)

Colon Cancer (AC 2) (CK 4)

Apple pectin and Bifidobacterium longum inhibit colorectal tumors in transgenic mice.

Pubmed Data : Exp Anim. 2000 Oct;49(4):305-7. PMID: [11109558](#)

Article Published Date : Oct 01, 2000

Authors : K Ohno, S Narushima, S Takeuchi, K Itoh, T Mitsuoka, H Nakayama, T Itoh, K Hioki, T Nomura

Study Type : Transgenic Animal Study

Additional Links

Substances : [Apple Pectin](#) : CK(66) : AC(15), [Bifidobacterium](#) : CK(477) : AC(45), [Bifidobacterium Longum](#) : CK(66) : AC(8)

Diseases : [Colon Cancer](#) : CK(725) : AC(412), [Colorectal Cancer](#) : CK(1565) : AC(579), [Colorectal Tumors](#) : CK(5) : AC(4)

Apple pectin decrease the number and incidence of colon cancer.

Pubmed Data : J Exp Clin Cancer Res. 1997 Mar;16(1):33-8. PMID: [9148858](#)

Article Published Date : Mar 01, 1997

Authors : K Tazawa, H Okami, I Yamashita, Y Ohnishi, K Kobashi, M Fujimaki

Study Type : Animal Study

Additional Links

Substances : [Apple Pectin](#) : CK(66) : AC(15)

Diseases : [Colon Cancer](#) : CK(725) : AC(412)

Additional Keywords : [Bacteriostatic](#) : CK(2) : AC(1)

Colorectal Cancer (AC 1) (CK 2)

Apple pectin and Bifidobacterium longum inhibit colorectal tumors in transgenic mice.

Pubmed Data : Exp Anim. 2000 Oct;49(4):305-7. PMID: [11109558](#)

Article Published Date : Oct 01, 2000

Authors : K Ohno, S Narushima, S Takeuchi, K Itoh, T Mitsuoka, H Nakayama, T Itoh, K Hioki, T Nomura

Study Type : Transgenic Animal Study

Additional Links

Substances : [Apple Pectin](#) : CK(66) : AC(15), [Bifidobacterium](#) : CK(477) : AC(45), [Bifidobacterium Longum](#) : CK(66) : AC(8)

Diseases : [Colon Cancer](#) : CK(725) : AC(412), [Colorectal Cancer](#) : CK(1565) : AC(579), [Colorectal Tumors](#) : CK(5) : AC(4)

Colorectal Tumors (AC 1) (CK 2)

Apple pectin and Bifidobacterium longum inhibit colorectal tumors in transgenic mice.

Pubmed Data : Exp Anim. 2000 Oct;49(4):305-7. PMID: [11109558](#)

Article Published Date : Oct 01, 2000

Authors : K Ohno, S Narushima, S Takeuchi, K Itoh, T Mitsuoka, H Nakayama, T Itoh, K Hioki, T Nomura

Study Type : Transgenic Animal Study

Additional Links

Substances : [Apple Pectin](#) : CK(66) : AC(15), [Bifidobacterium](#) : CK(477) : AC(45), [Bifidobacterium Longum](#) : CK(66) : AC(8)

Diseases : [Colon Cancer](#) : CK(725) : AC(412), [Colorectal Cancer](#) : CK(1565) : AC(579), [Colorectal Tumors](#) : CK(5) : AC(4)

Diarrhea (AC 1) (CK 10)

A combination of apple pectin and chamomile shortens the course of unspecific diarrhea in children.

Pubmed Data : Arzneimittelforschung. 2006;56(6):387-93. PMID: [16889120](#)

Article Published Date : Jan 01, 2006

Authors : Brigitta Becker, Ulrike Kuhn, Bettina Hardewig-Budny

Study Type : Human Study

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13), [Chamomile](#) : CK(95) : AC(18)

Diseases : [Diarrhea](#) : CK(574) : AC(76)

Endotoxemia (AC 1) (CK 1)

Red beet, apple, and citrus pectins inhibit the production of staphylococcal enterotoxins type A and B.

Pubmed Data : Zh Mikrobiol Epidemiol Immunobiol. 2007 Nov-Dec(6):11-6. PMID: [18277535](#)

Article Published Date : Nov 01, 2007

Authors : F S Fluer, D D Men'shikov, E B Lazareva, V Ia Prokhorov, A V Vesnin

Study Type : In Vitro Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13), Beet : CK(79) : AC(17), Pectin : CK(66) : AC(9)

Diseases : Endotoxemia : CK(83) : AC(43), Staphylococcal Infections : CK(30) : AC(18)

Pharmacological Actions : Anti-Bacterial Agents : CK(1353) : AC(462)

Influenza A (AC 1) (CK 1)

Apple pectin, citrus pectin, flaxseed mucilage, blood group A substance, gum acacia (gum arabic), and gum myrrh inhibit viral hemagglutinin in vitro.

Pubmed Data : J Exp Med. 1947 Jun 30;86(1):55-64. PMID: [19871655](#)

Authors : R H Green, D W Woolley

Study Type : In Vitro Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13), Citrus Pectin : CK(1) : AC(1), Flaxseed : CK(448) : AC(74), Gum arabic : CK(44) : AC(8), Myrrh : CK(37) : AC(13)

Diseases : Influenza A : CK(364) : AC(77)

Pharmacological Actions : Antiviral Agents : CK(862) : AC(376), Viral Hemagglutinin Inhibitor : CK(17) : AC(13)

Insulin Resistance (AC 1) (CK 2)

A novel form of apple pectin improves the lipid profile, insulin resistance and other cardiometabolic risk factors

in diabetic rats.

Pubmed Data : J Agric Food Chem. 2008 May 28;56(10):3574-81. Epub 2008 Apr 23. PMID: [18433105](#)

Article Published Date : May 28, 2008

Authors : D Sánchez, B Muguera, L Moulay, R Hernández, M Miguel, A Alexandre

Study Type : Animal Study

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13)

Diseases : [Insulin Resistance](#) : CK(1628) : AC(334)

Liver Cancer (AC 1) (CK 2)

Apple pectin and Lactobacillus casei inhibit liver cancer metastasis.

Pubmed Data : Hum Cell. 1999 Dec;12(4):189-96. PMID: [10834105](#)

Article Published Date : Dec 01, 1999

Authors : K Tazawa, K Yatuzuka, M Yatuzuka, J Koike, H Ohkami, T Saito, Y Ohnishi, M Saito

Study Type : Animal Study

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13), [Lactobacillus casei](#) : CK(156) : AC(29)

Diseases : [Cancer Metastasis](#) : CK(285) : AC(145), [Liver Cancer](#) : CK(2373) : AC(287)

Malabsorption Syndrome (AC 1) (CK 2)

Apple pectin enhances the absorption of quercetin, probably due to its improvement of the absorptive capacity of the small intestine.

Pubmed Data : Cancer Sci. 2009 May 12. PMID: [19292474](#)

Article Published Date : May 12, 2009

Authors : Tomohiko Nishijima, Kunihisa Iwai, Yasuo Saito, Yoshiki Takida, Hajime Matsue

Study Type : Animal Study

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13)

Diseases : [Malabsorption Syndrome](#) : CK(34) : AC(11)

Radiation Disaster Associated Toxicity (AC 1) (CK 1)

From 1996 to 2007 a total of more than 160,000 "Chernobyl" children received pectin food additives. As a result, levels of Cs-137 in children's organs decreased after each course of pectin additives by an average of 30-40%.

Pubmed Data : [Phytother Res. 2009 Apr;23\(4\):564-71. PMID: 20002057](#)

Article Published Date : Apr 01, 2009

Authors : Vassily B Nesterenko, Alexey V Nesterenko

Study Type : Review

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13)

Diseases : [Radiation Disaster Associated Toxicity](#) : CK(992) : AC(286) , [Radiation-Induced Illness: Cesium-137 Exposure](#) : CK(94) : AC(24)

Pharmacological Actions : [Detoxifier](#) : CK(397) : AC(125) , [Radioprotective](#) : CK(604) : AC(226)

Radiation Induced Illness (AC 1) (CK 2)

A drug named "Medetopect" consisting of apple pectins, vitamin C and calcium phosphate reduces absorption of Plutonium-239 and Americium-241 from the gastrointestinal tract of animals.

Pubmed Data : Radiats Biol Radioecol. 1998 Jan-Feb;38(1):35-41. PMID: [9606404](#)

Article Published Date : Jan 01, 1998

Authors : V S Kalistratova, G A Zalikin, P G Nisimov, I B Romanova

Study Type : Animal Study

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13), [Calcium](#) : CK(232) : AC(37), [Vitamin C](#) : CK(1755) : AC(271)

Diseases : [Radiation Induced Illness](#) : CK(1022) : AC(256), [Radiation-Induced Illness: Americium](#) : CK(4) : AC(2), [Radiation-Induced Illness: Plutonium](#) : CK(15) : AC(8)

Pharmacological Actions : [Radioprotective](#) : CK(604) : AC(226)

Radiation-Induced Illness: Americium (AC 1) (CK 2)

A drug named "Medetopect" consisting of apple pectins, vitamin C and calcium phosphate reduces absorption of Plutonium-239 and Americium-241 from the gastrointestinal tract of animals.

Pubmed Data : Radiats Biol Radioecol. 1998 Jan-Feb;38(1):35-41. PMID: [9606404](#)

Article Published Date : Jan 01, 1998

Authors : V S Kalistratova, G A Zalikin, P G Nisimov, I B Romanova

Study Type : Animal Study

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13), [Calcium](#) : CK(232) : AC(37), [Vitamin C](#) : CK(1755) : AC(271)

Diseases : [Radiation Induced Illness](#) : CK(1022) : AC(256), [Radiation-Induced Illness: Americium](#) : CK(4) : AC(2), [Radiation-Induced Illness: Plutonium](#) : CK(15) : AC(8)

Pharmacological Actions : [Radioprotective](#) : CK(604) : AC(226)

Radiation-Induced Illness: Cesium-

137 Exposure (AC 4) (CK 31)

Apple pectin reduced Cesium-137 levels by 62.6% in "Chenobyl" children.

Pubmed Data : Swiss Med Wkly. 2004 Jan 10;134(1-2):24-7. PMID: [14745664](#)

Article Published Date : Jan 10, 2004

Authors : V B Nesterenko, A V Nesterenko, V I Babenko, T V Yerkovich, I V Babenko

Study Type : Human Study

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13)

Diseases : [Radiation-Induced Illness: Cesium-137 Exposure](#) : CK(94) : AC(24)

Pharmacological Actions : [Radioprotective](#) : CK(604) : AC(226)

Apple pectin reduces the body burden of Cesium-137 in "Chernobyl" children.

Pubmed Data : Mol Cell Biochem. 1990 Jun 1;95(1):21-30. PMID: [17314090](#)

Article Published Date : Jun 01, 1990

Authors : P Hill, M Schläger, V Vogel, R Hille, A V Nesterenko, V B Nesterenko

Study Type : Human Study

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13)

Diseases : [Radiation-Induced Illness: Cesium-137 Exposure](#) : CK(94) : AC(24)

Pharmacological Actions : [Detoxifier](#) : CK(397) : AC(125), [Detoxifier: Radionuclide Removal](#) : CK(23) : AC(4)

Apple pectin significantly reduces Cesium-137 load within 16 days in children exposed to radioisotopes as a result of Chernobyl.

Pubmed Data : Swiss Med Wkly. 2004 Dec 18;134(49-50):725-9. PMID: [15635491](#)

Article Published Date : Dec 18, 2004

Authors : G S Bandazhevskaya, V B Nesterenko, V I Babenko, T V Yerkovich, Y I Bandazhevsky

Study Type : Human Study

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13)

Diseases : [Cardiovascular Diseases](#) : CK(6477) : AC(665), [Radiation-Induced Illness: Cesium-137 Exposure](#) : CK(94) : AC(24)

Pharmacological Actions : [Detoxifier](#) : CK(397) : AC(125), [Detoxifier: Radionuclide Removal](#) : CK(23) : AC(4), [Radioprotective](#) : CK(604) : AC(226)

From 1996 to 2007 a total of more than 160,000 "Chernobyl" children received pectin food additives. As a result, levels of Cs-137 in children's organs decreased after each course of pectin additives by an average of 30-40%.

Pubmed Data : Phytother Res. 2009 Apr;23(4):564-71. PMID: [20002057](#)

Article Published Date : Apr 01, 2009

Authors : Vassily B Nesterenko, Alexey V Nesterenko

Study Type : Review

Additional Links

Substances : Apple Pectin : CK(55) : AC(13)

Diseases : Radiation Disaster Associated Toxicity : CK(992) : AC(286) , Radiation-Induced Illness: Cesium-137 Exposure : CK(94) : AC(24)

Pharmacological Actions : Detoxifier : CK(397) : AC(125), Radioprotective : CK(604) : AC(226)

Radiation-Induced Illness: Plutonium (AC 1) (CK 2)

A drug named "Medetopect" consisting of apple pectins, vitamin C and calcium phosphate reduces absorption of Plutonium-239 and Americium-241 from the gastrointestinal tract of animals.

Pubmed Data : Radiats Biol Radioecol. 1998 Jan-Feb;38(1):35-41. PMID: [9606404](#)

Article Published Date : Jan 01, 1998

Authors : V S Kalistratova, G A Zalikin, P G Nisimov, I B Romanova

Study Type : Animal Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13), Calcium : CK(232) : AC(37), Vitamin C : CK(1755) : AC(271)

Diseases : Radiation Induced Illness : CK(1022) : AC(256) , Radiation-Induced Illness: Americium : CK(4) : AC(2), Radiation-Induced Illness: Plutonium : CK(15) : AC(8)

Pharmacological Actions : Radioprotective : CK(604) : AC(226)

Staphylococcal Infections (AC 1) (CK 1)

Red beet, apple, and citrus pectins inhibit the production of staphylococcal enterotoxins type A and B.

Pubmed Data : Zh Mikrobiol Epidemiol Immunobiol. 2007 Nov-Dec(6):11-6. PMID: [18277535](#)

Article Published Date : Nov 01, 2007

Authors : F S Fluer, D D Men'shikov, E B Lazareva, V Ia Prokhorov, A V Vesnin

Study Type : In Vitro Study

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13), [Beet](#) : CK(79) : AC(17), [Pectin](#) : CK(66) : AC(9)

Diseases : [Endotoxemia](#) : CK(83) : AC(43), [Staphylococcal Infections](#) : CK(30) : AC(18)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(1353) : AC(462)

Category : Pharmacological Actions

Anti-Bacterial Agents (AC 1) (CK 1)

Red beet, apple, and citrus pectins inhibit the production of staphylococcal enterotoxins type A and B.

Pubmed Data : Zh Mikrobiol Epidemiol Immunobiol. 2007 Nov-Dec(6):11-6. PMID: [18277535](#)

Article Published Date : Nov 01, 2007

Authors : F S Fluer, D D Men'shikov, E B Lazareva, V Ia Prokhorov, A V Vesnin

Study Type : In Vitro Study

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13), [Beet](#) : CK(79) : AC(17), [Pectin](#) : CK(66) : AC(9)

Diseases : [Endotoxemia](#) : CK(83) : AC(43), [Staphylococcal Infections](#) : CK(30) : AC(18)

Pharmacological Actions : [Anti-Bacterial Agents](#) : CK(1353) : AC(462)

Antioxidants (AC 1) (CK 10)

These results elucidated that apple pectin immediately enhanced quercetin absorption in human subjects.

Pubmed Data : Br J Nutr. 2015 May 28 ;113(10):1531-8. Epub 2015 Apr 13. PMID: [25865751](#)

Article Published Date : May 27, 2015

Authors : Tomohiko Nishijima, Yoshiki Takida, Yasuo Saito, Takayuki Ikeda, Kunihisa Iwai

Study Type : Human Study

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13), [Quercetin](#) : CK(540) : AC(235)

Pharmacological Actions : [Antioxidants](#) : CK(6711) : AC(2004)

Additional Keywords : [Dose Response](#) : CK(782) : AC(281)

Antiproliferative (AC 1) (CK 1)

Apple pectic acid without any modification could trigger apoptosis in MDA-MB-231 human breast cancer cells and has potential to improve cancer treatment as a natural product.

Pubmed Data : Asian Pac J Cancer Prev. 2015 ;16(13):5265-71. PMID: [26225664](#)

Article Published Date : Dec 31, 2014

Authors : Ladan Delphi, Houri Sepehri, Mohammad Reza Khorramizadeh, Fatemeh Mansoori

Study Type : In Vitro Study

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13)

Diseases : [Breast Cancer: Triple Negative](#) : CK(196) : AC(13)

Pharmacological Actions : [Antiproliferative](#) : CK(2321) : AC(1573), [Apoptotic](#) : CK(2582) : AC(1717), [Cell cycle arrest](#) : CK(670) : AC(358)

Antiviral Agents (AC 1) (CK 1)

Apple pectin, citrus pectin, flaxseed mucilage, blood group A substance, gum acacia (gum arabic), and gum myrrh inhibit viral hemagglutinin in vitro.

Pubmed Data : J Exp Med. 1947 Jun 30;86(1):55-64. PMID: [19871655](#)

Authors : R H Green, D W Woolley

Study Type : In Vitro Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13), Citrus Pectin : CK(1) : AC(1), Flaxseed : CK(448) : AC(74), Gum arabic : CK(44) : AC(8), Myrrh : CK(37) : AC(13)

Diseases : Influenza A : CK(364) : AC(77)

Pharmacological Actions : Antiviral Agents : CK(862) : AC(376), Viral Hemagglutinin Inhibitor : CK(17) : AC(13)

Apoptotic (AC 1) (CK 1)

Apple pectic acid without any modification could trigger apoptosis in MDA-MB-231 human breast cancer cells and has potential to improve cancer treatment as a natural product.

Pubmed Data : Asian Pac J Cancer Prev. 2015 ;16(13):5265-71. PMID: [26225664](#)

Article Published Date : Dec 31, 2014

Authors : Ladan Delphi, Houri Sepehri, Mohammad Reza Khorramizadeh, Fatemeh Mansoori

Study Type : In Vitro Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13)

Diseases : Breast Cancer: Triple Negative : CK(196) : AC(13)

Pharmacological Actions : Antiproliferative : CK(2321) : AC(1573), Apoptotic : CK(2582) : AC(1717), Cell cycle arrest : CK(670) : AC(358)

Cell cycle arrest (AC 1) (CK 1)

Apple pectic acid without any modification could trigger apoptosis in MDA-MB-231 human breast cancer cells and has potential to improve cancer treatment as a natural product.

Pubmed Data : Asian Pac J Cancer Prev. 2015 ;16(13):5265-71. PMID: [26225664](#)

Article Published Date : Dec 31, 2014

Authors : Ladan Delphi, Houri Sepehri, Mohammad Reza Khorramizadeh, Fatemeh Mansoori

Study Type : In Vitro Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13)

Diseases : Breast Cancer: Triple Negative : CK(196) : AC(13)

Pharmacological Actions : Antiproliferative : CK(2321) : AC(1573), Apoptotic : CK(2582) : AC(1717), Cell cycle arrest : CK(670) : AC(358)

Detoxifier (AC 3) (CK 21)

Apple pectin reduces the body burden of Cesium-137 in "Chernobyl" children.

Pubmed Data : Mol Cell Biochem. 1990 Jun 1;95(1):21-30. PMID: [17314090](#)

Article Published Date : Jun 01, 1990

Authors : P Hill, M Schläger, V Vogel, R Hille, A V Nesterenko, V B Nesterenko

Study Type : Human Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13)

Diseases : Radiation-Induced Illness: Cesium-137 Exposure : CK(94) : AC(24)

Pharmacological Actions : Detoxifier : CK(397) : AC(125), Detoxifier: Radionuclide Removal : CK(23) : AC(4)

Apple pectin significantly reduces Cesium-137 load within 16 days in children exposed to radioisotopes as a result of Chernobyl.

Pubmed Data : Swiss Med Wkly. 2004 Dec 18;134(49-50):725-9. PMID: [15635491](#)

Article Published Date : Dec 18, 2004

Authors : G S Bandazhevskaya, V B Nesterenko, V I Babenko, T V Yerkovich, Y I Bandazhevsky

Study Type : Human Study

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13)

Diseases : [Cardiovascular Diseases](#) : CK(6477) : AC(665) , [Radiation-Induced Illness: Cesium-137 Exposure](#) : CK(94) : AC(24)

Pharmacological Actions : [Detoxifier](#) : CK(397) : AC(125) , [Detoxifier: Radionuclide Removal](#) : CK(23) : AC(4) , [Radioprotective](#) : CK(604) : AC(226)

From 1996 to 2007 a total of more than 160,000 "Chernobyl" children received pectin food additives. As a result, levels of Cs-137 in children's organs decreased after each course of pectin additives by an average of 30-40%.

Pubmed Data : Phytother Res. 2009 Apr;23(4):564-71. PMID: [20002057](#)

Article Published Date : Apr 01, 2009

Authors : Vassily B Nesterenko, Alexey V Nesterenko

Study Type : Review

Additional Links

Substances : [Apple Pectin](#) : CK(55) : AC(13)

Diseases : [Radiation Disaster Associated Toxicity](#) : CK(992) : AC(286) , [Radiation-Induced Illness: Cesium-137 Exposure](#) : CK(94) : AC(24)

Pharmacological Actions : [Detoxifier](#) : CK(397) : AC(125) , [Radioprotective](#) : CK(604) : AC(226)

Detoxifier: Radionuclide Removal (AC 2) (CK 20)

Apple pectin reduces the body burden of Cesium-137 in "Chernobyl" children.

Pubmed Data : Mol Cell Biochem. 1990 Jun 1;95(1):21-30. PMID: [17314090](#)

Article Published Date : Jun 01, 1990

Authors : P Hill, M Schläger, V Vogel, R Hille, A V Nesterenko, V B Nesterenko

Study Type : Human Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13)

Diseases : Radiation-Induced Illness: Cesium-137 Exposure : CK(94) : AC(24)

Pharmacological Actions : Detoxifier : CK(397) : AC(125), Detoxifier: Radionuclide Removal : CK(23) : AC(4)

Apple pectin significantly reduces Cesium-137 load within 16 days in children exposed to radioisotopes as a result of Chernobyl.

Pubmed Data : Swiss Med Wkly. 2004 Dec 18;134(49-50):725-9. PMID: [15635491](#)

Article Published Date : Dec 18, 2004

Authors : G S Bandazhevskaya, V B Nesterenko, V I Babenko, T V Yerkovich, Y I Bandazhevsky

Study Type : Human Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13)

Diseases : Cardiovascular Diseases : CK(6477) : AC(665), Radiation-Induced Illness: Cesium-137 Exposure : CK(94) : AC(24)

Pharmacological Actions : Detoxifier : CK(397) : AC(125), Detoxifier: Radionuclide Removal : CK(23) : AC(4), Radioprotective : CK(604) : AC(226)

Radioprotective (AC 4) (CK 23)

A drug named "Medetopect" consisting of apple pectins, vitamin C and calcium phosphate reduces absorption of Plutonium-239 and Americium-241 from the gastrointestinal tract of animals.

Pubmed Data : Radiats Biol Radioecol. 1998 Jan-Feb;38(1):35-41. PMID: [9606404](#)

Article Published Date : Jan 01, 1998

Authors : V S Kalistratova, G A Zalikin, P G Nisimov, I B Romanova

Study Type : Animal Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13), Calcium : CK(232) : AC(37), Vitamin C : CK(1755) : AC(271)

Diseases : Radiation Induced Illness : CK(1022) : AC(256), Radiation-Induced Illness: Americium : CK(4) : AC(2), Radiation-Induced Illness: Plutonium : CK(15) : AC(8)

Pharmacological Actions : Radioprotective : CK(604) : AC(226)

Apple pectin reduced Cesium-137 levels by 62.6% in "Chenobyl" children.

Pubmed Data : Swiss Med Wkly. 2004 Jan 10;134(1-2):24-7. PMID: [14745664](#)

Article Published Date : Jan 10, 2004

Authors : V B Nesterenko, A V Nesterenko, V I Babenko, T V Yerkovich, I V Babenko

Study Type : Human Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13)

Diseases : Radiation-Induced Illness: Cesium-137 Exposure : CK(94) : AC(24)

Pharmacological Actions : Radioprotective : CK(604) : AC(226)

Apple pectin significantly reduces Cesium-137 load within 16 days in children exposed to radioisotopes as a result of Chernobyl.

Pubmed Data : Swiss Med Wkly. 2004 Dec 18;134(49-50):725-9. PMID: [15635491](#)

Article Published Date : Dec 18, 2004

Authors : G S Bandazhevskaya, V B Nesterenko, V I Babenko, T V Yerkovich, Y I Bandazhevsky

Study Type : Human Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13)

Diseases : Cardiovascular Diseases : CK(6477) : AC(665), Radiation-Induced Illness: Cesium-137 Exposure : CK(94) : AC(24)

Pharmacological Actions : Detoxifier : CK(397) : AC(125), Detoxifier: Radionuclide Removal : CK(23) : AC(4), Radioprotective : CK(604) : AC(226)

From 1996 to 2007 a total of more than 160,000 "Chernobyl" children received pectin food additives. As a result, levels of Cs-137 in children's organs decreased after each course of pectin additives by an average of 30-40%.

Pubmed Data : Phytother Res. 2009 Apr;23(4):564-71. PMID: [20002057](#)

Article Published Date : Apr 01, 2009

Authors : Vassily B Nesterenko, Alexey V Nesterenko

Study Type : Review

Additional Links

Substances : Apple Pectin : CK(55) : AC(13)

Diseases : Radiation Disaster Associated Toxicity : CK(992) : AC(286) , Radiation-Induced Illness: Cesium-137 Exposure : CK(94) : AC(24)

Pharmacological Actions : Detoxifier : CK(397) : AC(125) , Radioprotective : CK(604) : AC(226)

Viral Hemagglutinin Inhibitor (AC 1) (CK 1)

Apple pectin, citrus pectin, flaxseed mucilage, blood group A substance, gum acacia (gum arabic), and gum myrrh inhibit viral hemagglutinin in vitro.

Pubmed Data : J Exp Med. 1947 Jun 30;86(1):55-64. PMID: [19871655](#)

Authors : R H Green, D W Woolley

Study Type : In Vitro Study

Additional Links

Substances : Apple Pectin : CK(55) : AC(13), Citrus Pectin : CK(1) : AC(1), Flaxseed : CK(448) : AC(74) , Gum arabic : CK(44) : AC(8), Myrrh : CK(37) : AC(13)

Diseases : Influenza A : CK(364) : AC(77)

Pharmacological Actions : Antiviral Agents : CK(862) : AC(376) , Viral Hemagglutinin Inhibitor : CK(17) : AC(13)

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