

Phosphoryl oligosaccharides of calcium (POs-Ca)

Title	Innovative technology development for acceleration of tooth enamel recrystallization
Publication (year)	Kagaku to Seibutsu. 60, 144-149 (2022)
Author	Kamasaka H, Tanaka T, Takii H

Title	Effects of phosphoryl oligosaccharides of calcium (POs-Ca) on epidermal cells and human skin
Publication (year)	Journal of Applied Glycoscience 62, 107-113 (2015)
Author	H. Sambe, K. Sugimoto, K. Nomura and T. Kuriki

Title	Application to the Prevention of the Caries with Phosphoryl Oligosaccharides of Calcium (POs-Ca®)
Publication (year)	Journal of Applied Glycoscience 4, 133-139 (2014)
Author	T. Kobayashi, T. Tanaka, H. Kamasaka, T. Kuriki

Title	Phosphoryl oligosaccharides of calcium: Its effect on skin barrier function
Publication (year)	SOFW Journal 140, 26-32 (2014)
Author	K. Sugimoto, K. Nomura, H. Sambe, T. Kuriki

Title	Optimization of calcium concentration of saliva with phosphoryl oligosaccharides of calcium (POs-Ca) for enamel remineralization in vitro
Publication (year)	Archives of Oral Biology 58, 174-180 (2013)
Author	T. Tanaka, T. Kobayashi, H. Takii, H. Kamasaka, N. Ohta, T. Matsuo, N. Yagi and T. Kuriki

Title	Evaluation of the distribution and orientation of remineralized enamel crystallites in subsurface lesions by X-ray diffraction
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Publication (year)	Caries Research 44, 253-259 (2010)
Author	T. Tanaka, N. Yagi, T. Ohta, Y. Matsuo, H. Terada, K. Kamasaka, K. To-o, T. Kometani and T. Kuriki

Title	Effect of chewing gum containing phosphoryl oligosaccharides of calcium (POs-Ca) on Remineralization and hydroxyapatite crystallites of enamel subsurface lesions in situ
Publication (year)	The Japanese Society of Conservative Dentistry 52, 534-542 (2009)
Author	M. Tanaka, Y. Kitasako, T. Nikaido, H. Hamba, M. Ikeda, T. Tanaka, H. Takii, H. Kamasaka, J. Tagami

Title	Evaluation of enamel crystallites in subsurface lesion by microbeam X-ray diffraction
Publication (year)	Journal of Synchrotron Radiation 16, 398-404 (2009)
Author	N. Yagi, N. Ohta, T. Matsuo, T. Tanaka, Y. Terada, H. Kamasaka, K. To-o, T. Kometani and T. Kuriki

Title	Studies on mass production and application of phosphoryl oligosaccharides from potato starch
Publication (year)	Journal of Applied Glycoscience 56, 47-55 (2009)
Author	H. kamasaka, K. To-o, T. Nishimura, T. Kimura, N. Matsuzawa, R. Sakamoto

Title	Studies on Phosphoryl oligosaccharides - Application for oral health -
Publication (year)	Journal for the Integrated Study of Dietary Habits 17, 297-303 (2007)
Author	H. Kamasaka

Title	Phosphoryl Oligosaccharides of Calcium Supplied by Chewing-gum for Dental Health
Publication (year)	The Cell 37, 117-121 (2005)
Author	H. Kamasaka, K. To-o, T. Kuriki

Title	Application of phosphoryl oligosaccharides of calcium (POs-Ca) for oral health
Publication (year)	Journal of Applied Glycoscience 51, 129-134 (2004)
Author	H. Kamasaka, D. Inaba, K. Minami, K. To-o, T. Nishimura, T. Kuriki, S. Imai, N. Hanada, M. Yonemitsu

Title	Reduced immunogenicity of β-lactoglobulin by conjugation with acidic oligosaccharides
Publication (year)	Journal of Agricultural and Food Chemistry 52, 4546-4553 (2004)
Author	M. Hattori, S. Miyakawa, Y. Ohama, H. Kawamura, T. Yoshida, K. To-o, T. Kuriki and K. Takahashi

Title	Intraoral Effects of Phosphoryl-Oligosaccharide Calcium on Remineralization of Enamel Lesions
Publication (year)	Journal of Dental Health 53, 8-12 (2003)
Author	D. Inaba, K. Minami, H. Kamasaka, T. Kuriki, A. Imai, M. Yonemitsu

Title	The relationship of phosphoryl-oligosaccharides or sugarless chewing gum containing phosphoryl-oligosaccharides ingestion and gastrointestinal condition in humans: comparison between men and women
Publication (year)	Journal of Applied Glycoscience 50, 51-54 (2003)
Author	H. Takii, M. Yoshiyama, M. Yanase, H. Kamasaka, T. Nishimura and T. Kuriki

Title	Absorbability of calcium from calcium-bound phosphoryl oligosaccharides in comparison with that from various calcium compounds in the rat ligated jejunum loop
Publication (year)	Bioscience, Biotechnology, and Biochemistry 67, 1713-1718 (2003)
Author	K.To-o, H. Kamasaka, T. Nishimura, T. Kuriki, S. Saeki and Y. Nakabou

Title	Production and application of phosphoryl oligosaccharides prepared from potato starch
Publication (year)	Trends in Glycoscience and Glycotechnology 15, 75-89 (2003)

Author	H. Kamasaka, D. Inaba, K. Minami, T. Nishimura, T. Kuriki and M. Yonemitsu
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Title	Intraoral effects of phosphoryl-oligosaccharide calcium on remineralization of enamel lesions
Publication (year)	Journal of Dental Health 53, 8-12 (2003)
Author	D. Inaba, K. Minami, H. Kamasaka, T. Kuriki, S. Imai and M. Yonemitsu

Title	Effect of phosphoryl oligosaccharides from potato starch on acid fermentation by mutans streptococci
Publication (year)	Journal of Dental Health 52, 66-71 (2002)
Author	H. Kamasaka, S. Imai, T. Nishimura, T. Kuriki, and T. Nishizawa

Title	Remineralization of Enamel by Phosphoryl-Oligosaccharides (POs) Supplied by Chewing Gum : Part II. Intraoral Evaluation
Publication (year)	Journal of Dental Health 52, 112-118 (2002)
Author	D. inaba, H. Kamasaka, K. Minami, T. Nishimura, T. Kuriki, S. Imai, M. Yonemitsu

Title	Effects of Phosphoryl-Oligosaccharides (POs) on Remineralization of Enamel Lesions in vitro
Publication (year)	Dental Journal of Iwate Medical University 27, 197-202 (2002)
Author	D. inaba, K. Minami, H. Kamasaka, M. Yonemitsu

Title	Remineralization of enamel and dentin by a chewing gum containing phosphoryl-oligosaccharide calcium (POs-Ca) in situ
Publication (year)	Dental Journal of Iwate Medical University 27, 203-209 (2002)
Author	D. Inaba, K. Minami, H. kamasaka and M. Yonemitsu

Title	Remineralization of Enamel by Phosphoryl-Oligosaccharides (POs) Supplied by Chewing Gum : Part I. Salivary Assessment in vitro
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Publication (year)	Journal of Dental Health 52, 105-111 (2002)
Author	H. kamasaka, D. Inaba, K. Minami, T. Nishimura, T. Kuriki, S. Imai, M. Yonemitsu

Title	Effect of Phosphorylated Oligosaccharides from Potato Starch on Acid Fermentation by Mutans Streptococci
Publication (year)	The Japanese Society for Dental Health 52, 66-71 (2002)
Author	H. Kamasaka, S. Imai, T. Nishimura, T. Kuriki, T. Nishizawa

Title	Bioavailability of calcium-bound phosphoryl oligosaccharides in rats
Publication (year)	Journal of Applied Glycoscience 49, 159-165 (2002)
Author	K. To-o, H. Kamasaka, T. Nishimura, T. Kuriki, S. Saeki and Y. Nakabou

Title	Substrate selectivity in <i>Aspergillus niger</i> KU-8 acid phosphatase II using phosphoryl oligosaccharides
Publication (year)	Bioscience, Biotechnology, and Biochemistry 64, 1534-1537 (2000)
Author	K. To-o, H. Kamasaka, T. Kuriki and S. Okada

Title	Effect of Phosphorylated Oligosaccharide from Potato-starch on Calcium Absorption in Rats
Publication (year)	J. Jpn. Soc. Nutr. Food Sci. 51, 67-72 (1998)
Author	M. Kishimoto, H. Kamasaka, A. Murakami, M. Kawaguchi, T. Matsuura, S. Okada, T. Ishikawa

Title	Effect of phosphoryl oligosaccharides on iron solubility under neutral conditions
Publication (year)	Bioscience, Biotechnology, and Biochemistry 61, 1209-1210 (1997)
Author	H. Kamasaka, K. To-o, K. Kusaka, T. Kuriki, T. Kometani, and S. Okada

Title	Inhibitory Effect on the Formation of a Calcium Phosphate Precipitate by the Conjugates of Ovalbumin and Phosphoryl Oligosaccharide
Publication (year)	Journal of Applied Glycoscience 44, 295-302 (1997)
Author	H. Kamasaka, K. Kusaka, K. To-o, T. Kuriki, T. Kometani, S. Okada

Title	A Way of Enhancing the Inhibitory Effect of Phosphoryl Oligosaccharides on the Formation of a Calcium Phosphate Precipitate Using the Coupling Reaction of Cyclomaltodextrin Glucanotransf erase
Publication (year)	Journal of Applied Glycoscience 44, 285-293 (1997)
Author	H. Kamasaka, K. To-o, K. Kusaka, T. Kuriki, T. Kometani, S. Okada

Title	Action Pattern of Neopullulanase on Phosphoryl Oligosaccharides Prepared from Potato Starch
Publication (year)	Journal of Applied Glycoscience 44, 275-283 (1997)
Author	H. Kamasaka, K. To-o, K. Kusaka, T. Kuriki, T. Kometani, S. Okada

Title	Studies of phosphoryl oligosaccharides prepared from potato starch
Publication (year)	Journal of Applied Glycoscience 44, 253-261 (1997)
Author	H. Kamasaka, K. To-o, M. Uchida, K. Kusaka, T. Kuriki, T. Kometani, H. Hayashi, S. Okada and T. Ichikawa

Title	The structures of phosphoryl oligosaccharides prepared from potato starch
Publication (year)	Bioscience, Biotechnology, and Biochemistry 61, 238-244 (1997)
Author	H. Kamasaka, K. To-o, K. Kusaka, T. Kuriki, T. Kometani, H. Hayashi and S. Okada

Title	A way of enhancing the inhibitory effect of phosphoryl oligosaccharides on the formation of a calcium phosphate precipitate using the coupling reaction of cyclomaltodextrin glucanotransf erase
Publication (year)	Journal of Applied Glycoscience 44, 285-293 (1997)

Author	H. Kamasaka, K. To-o, K. Kusaka, T. Kuriki, T. Kometani and S. Okada
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Title	Action pattern of neopullulanase on phosphoryl oligosaccharides prepared from potato starch
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Author	H. Kamasaka, K. To-o, K. Kusaka, T. Kuriki, T. Kometani and S. Okada

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Publication (year)	Journal of Applied Glycoscience 44, 295-302 (1997)
Author	H. Kamasaka, K. Kusaka, K. To-o, T. Kuriki, T. Kometani and S. Okada

Title	Effect of Phosphorylated Oligosaccharides on Calcium Absorption in Rats
Publication (year)	Journal of Applied Glycoscience 43, 535-540 (1996)
Author	M. UCHIDA, H. KAMASAKA, T. MATHUURA, S. OKADA, T. ICHIKAWA

Title	Effect of Phosphorylated Oligosaccharides on Calcium Absorption in Rats
Publication (year)	Journal of Applied Glycoscience 43, 535-540 (1996)
Author	M. Uchida, H. Kamasaka, T. Mathuura, S. Okada and T. Ichikawa

Title	Inhibitory effect of phosphorylated oligosaccharides prepared from potato starch on the formation of calcium phosphate
Publication (year)	Bioscience, Biotechnology, and Biochemistry 59, 1412-1416 (1995)
Author	H. Kamasaka, M. Uchida, K. Kusaka, K. Yoshikawa, K. Yamamoto, S. Okada and T. Ichikawa