

Cluster dextrin

Title	Evaluation of Exercise Performance with the Intake of Highly Branched Cyclic Dextrin in Athletes
Publication (year)	Food Science and Technology Research 21, 499-502 (2015)
Author	T. Shiraki, T. Kometani, K. Yoshitani, H. Takata and T. Nomura

Title	Effects of ingesting highly branched cyclic dextrin during endurance exercise on rating of perceived exertion and blood components associated with energy metabolism
Publication (year)	Bioscience, Biotechnology, and Biochemistry 78, 2117-2119 (2014)
Author	T. Furuyashiki, H. Tanimoto, Y. Yokoyama, Y. Kitaura, T. Kuriki and Y. Shimomura

Title	Effect of a sports drink based on highly-branched cyclic dextrin on cytokine responses to exhaustive endurance exercise
Publication (year)	The Journal of Sports Medicine and Physical Fitness 54, 622-630 (2014)
Author	Suzuki K, Shiraishi K, Yoshitani K, Sugama K, Kometani T

Title	Safety evaluation of 1;4- α -glucan branching enzymes from <i>Bacillus stearothermophilus</i> and <i>Aquifex aeolicus</i> expressed in <i>Bacillus subtilis</i>
Publication (year)	Food and Chemical Toxicology 47, 2044-2051 (2009)
Author	S. Choi, B. Danielewska-Nikiel, I. Kojima and H. Takata

Title	A sports drink based on highly branched cyclic dextrin generates few gastrointestinal disorders in untrained men during bicycle exercise
Publication (year)	Food Science and Technology Research 10, 428-431 (2007)
Author	H. Takii, T. Kometani, T. Nishimura, T. Kuriki and T. Fushiki

Title	Industrial Production of Branching Enzyme and Its Application to Production of Highly Branched Cyclic Dextrin (Cluster Dextrin™)
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Publication (year)	Biotechnology 84, 61-66.2006 (2006)
Author	H. Takata, I. Kojima, N. Taji, Y. Suzuki, M. Yamamoto

Title	Cyclization Reaction Catalyzed by Bacillus cereus Branching Enzyme, and the Structure of Cyclic Glucan Produced by the Enzyme from Amylose
Publication (year)	Journal of Applied Glycoscience 52, 359-365 (2005)
Author	H. Takata, T. Kato, M. Takagi, T. Imanaka

Title	Fluids containing a highly branched cyclic dextrin influence the gastric emptying rate
Publication (year)	International Journal of Sports Medicine 26, 314-319 (2005)
Author	H. Takii, Y. Takii, T. Kometani, T. Nishimura, T. Nakae, T. Kuriki and T. Fushiki

Title	Cyclization reaction catalyzed by Bacillus cereus branching enzyme;and the structure of cyclic glucan produced by the enzyme from amylose
Publication (year)	Journal of Applied Glycoscience 52, 359-365 (2005)
Author	H. Takata, T. Kato, M. Takagi and T. Imanaka

Title	Properties and application of enzymes for bacterial glycogen biosynthesis and degradation
Publication (year)	Journal of Applied Glycoscience 51, 55-61 (2004)
Author	H. Takata

Title	Large-ring cyclodextrins and highly branched cyclic dextrin
Publication (year)	FOODS AND FOOD INGREDIENTS JOURNAL OF JAPAN 209, 320-329 (2004)
Author	M. Yanase, H. Takata and S. Kitamura

Title	Properties of branching enzyme from hyperthermophilic bacterium;Aquifex aeolicus;and its potential for production of highly-branched cyclic dextrin
Publication (year)	Journal of Applied Glycoscience 50, 15-20 (2003)
Author	H. Takata, K. Ohdan, T. Takaha, T. Kuriki and S. Okada

Title	Oxidative stability;structure;and physical characteristics of microcapsules formed by spray drying of fish oil with protein and dextrin wall materials
Publication (year)	Journal of food science 68, 2248-2255 (2003)
Author	Y. Kagami, S. Sugimura, N. Fujishima, K. Matsuda, T. Kometani and Y. Matsumura

Title	Enhancement of swimming endurance in mice by highly branched cyclic dextrin
Publication (year)	Bioscience, Biotechnology, and Biochemistry 63, 2045-2052 (1999)
Author	H. Takii, K. Ishihara, T. Kometani, S. Okada and T. Fushiki

Title	Cluster-Dextrin Decreases Viscosity and Increases Transparency of Gelatinized Starch Paste
Publication (year)	Nippon Shokuhin Kagaku Kogaku Kaishi 44, 160-163 (1997)
Author	H. Nakamura, H. Okamoto, Y. Miyaki, Y. Hama, T. Kuriki, S. Okada

Title	Production and some properties of a dextrin with a narrow size distribution by the cyclization reaction of branching enzyme
Publication (year)	Journal of Fermentation and Bioengineering 84, 119-123 (1997)
Author	H. Takata, T. Takaha, H. Nakamura, K. Fujii, S. Okada, M. Takagi and T. Imanaka

Title	Cluster Dextrin Decreases Viscosity and Increases Transparency of Gelatinized Starch Paste
Publication (year)	Journal of the Japanese Society for Food Science and Technology 44, 160-163 (1997)
Author	H. Nakamura, H. Okamoto, Y. Miyaki, Y. Hama, T. Kuriki and S. Okada

Title	Cyclic Glucan Produced by the Action of Branching Enzyme
Publication (year)	Journal of Applied Glycoscience 43, 257-264 (1996)
Author	H. Takata, T. takaha, H. Nakamura, S. Okada, S. Hizukuri, M. Takagi, T. Imanaka

Title	Cyclization reaction catalyzed by branching enzyme
Publication (year)	Journal of Bacteriology 178, 1600-1606 (1996)
Author	H. Takata, T. Takaha, S. Okada, M. Takagi and T. Imanaka

Title	Structure of the cyclic glucan produced from amylopectin by <i>Bacillus stearothermophilus</i> branching enzyme
Publication (year)	Carbohydrate Research 295, 91-101 (1996)
Author	H. Takata, T. Takaha, S. Okada, S. Hizukuri, M. Takagi and T. Imanaka

Title	Cyclic glucan produced by the action of branching enzyme
Publication (year)	Journal of Applied Glycoscience 43, 257-264 (1996)
Author	H. Takata, T. Takaha, H. Nakamura, S. Okada, S. Hizukuri, M. Takagi and T. Imanaka