

# Alcohol

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In chemistry, an alcohol is any organic compound in which a hydroxyl group is bound to a carbon atom of an alkyl or substituted alkyl group. The general formula for a simple acyclic alcohol is  $C_nH_{2n+1}OH$ . In layman's terms, the word alcohol usually refers to ethanol, also known as grain alcohol or spirits of wine, or to any alcoholic beverage. Ethanol is a colorless, volatile liquid with a mild odor which can be obtained by the fermentation of sugars. Ethanol is the most widely used depressant in the world, and has been for thousands of years. This sense underlies the term alcoholism. Other alcohols are usually described with a clarifying adjective, as in isopropyl alcohol or wood alcohol. The suffix -ol appears in the "official" IUPAC chemical name of all alcohols. There are three major subsets of alcohols: primary, secondary and tertiary, based upon the number of carbon atoms the C-OH group's carbon is bonded to. Ethanol is a simple 'primary' alcohol. The simplest secondary alcohol is isopropyl alcohol, and a simple tertiary alcohol is tert-butyl alcohol. The phenols with parent compound phenol have a hydroxyl group just like alcohols, but differ sufficiently in properties as to warrant a separate treatment. Carbohydrates and sugar alcohols are an important class of compounds containing multiple alcohol functional groups. For example, sucrose contains eight hydroxyl groups per molecule and sorbitol has six. Most of the attributes of these polyols, from nomenclature, to occurrence, use and toxicity, are sufficiently different from simple aliphatic alcohols as to require a separate treatment. ( [From the Wikipedia article Alcohol](#) .)

## Recent Publications on Alcohol:



- [Alcohol and gynecological cancers: an overview.](#)  
*The objective of the paper was to summarize the literature findings on...* 3rd November, 2009  
aDepartment of Etiological Research, Cancer Registry of Norway, Oslo- Eur J Cancer Prev. 2009 Nov 18. ( [DOI Direct Link](#) )
- [Relationship between Plasma Folate and Homocysteine Concentrations in Alcoholics According to Liver Enzyme Activity.](#)  
*The aim of this study was to evaluate the relationship between folate and...* 3rd November, 2009  
Department of Biochemical Diagnostics, Medical University.- J Nutr Sci Vitaminol (Tokyo). 2009;55(5):439-441.
- [Physical and Neurodevelopmental Evaluation of Children Adopted from Eastern Europe.](#)  
*Presented in part at The Canadian Pediatric Society 83rd Meeting in June...* 3rd November, 2009  
- Can J Clin Pharmacol. 2009 Fall;16(3):e432-e440. Epub 2009 Oct 29.
- [Predicting risk of osteoporotic fracture in men and women in England and Wales: prospective derivation and validation of QFractureScores.](#)  
*OBJECTIVE: To develop and validate two new fracture risk algorithms...* 3rd November, 2009  
Division of Primary Care, Tower Building, University Park, Nottingham NG2- BMJ. 2009 Nov

19;339:b4229. doi: 10.1136/bmj.b4229.

- [Risky Behaviors and Depression in Conjunction With--or in the Absence of--Lifetime History of PTSD Among Sexually Abused Adolescents.](#)  
*Posttraumatic stress disorder (PTSD) is often considered the primary...3rd November, 2009*  
- Child Maltreat. 2009 Nov 18. ([DOI Direct Link](#))
- [Direct monitoring of organic vapours with amperometric enzyme gas sensors.](#)  
*In this study, amperometric enzyme gas sensors for direct monitoring of...3rd November, 2009*  
Functional Materials, University of Bayreuth, 95440 Bayreuth, Germany.- Biosens Bioelectron. 2009 Oct 24. ([DOI Direct Link](#))
- [Longitudinal associations between depression and substance dependence from adolescence through early adulthood.](#)  
*AIMS: The association between depression and substance dependence is...3rd November, 2009*  
Rutgers University, Camden, Department of Psychology, 311 North 5th- Drug Alcohol Depend. 2009 Nov 16. ([DOI Direct Link](#))
- [Sports-specific factors, perceived peer drinking, and alcohol-related behaviors among adolescents participating in school-based sports in Southwest Georgia.](#)  
*This study investigated the relationships among sports-specific factors,...3rd November, 2009*  
Department of Behavioral Sciences and Health Education, Rollins School of- Addict Behav. 2009 Oct 30. ([DOI Direct Link](#))
- [The relationship between alexithymia and alcohol-related risk perceptions: The moderating effect of general trauma in a college population.](#)  
*The current study explored the moderating influence of general trauma...3rd November, 2009*  
Department of Psychology, University of Nebraska-Lincoln, Lincoln NE- Addict Behav. 2009 Oct 30. ([DOI Direct Link](#))
- [Disinhibited characteristics and binge drinking among university student drinkers.](#)  
*Binge drinking is a major problem at North American universities....3rd November, 2009*  
Department of Psychology, University of British Columbia, 2136 West Mall,- Addict Behav. 2009 Oct 30. ([DOI Direct Link](#))
- [Changes in ambivalence mediate the relation between entering treatment and change in alcohol use and problems.](#)  
*The present study examined the role of ambivalence about change as (1) a...3rd November, 2009*  
Center for Health Care Evaluation (152), Veterans Affairs Palo Alto Health- Addict Behav. 2009 Oct 30. ([DOI Direct Link](#))
- [The Association Between Alcohol Consumption and Morbidity and Mortality in Patients Undergoing Coronary Artery Bypass Surgery.](#)  
*OBJECTIVE: Moderate alcohol consumption appears protective against...3rd November, 2009*  
Department of Outcomes Research, Cleveland Clinic Foundation, Cleveland,- J Cardiothorac Vasc Anesth. 2009 Nov 17. ([DOI Direct Link](#))
- [Self-injurious behavior among Greek male prisoners: Prevalence and risk factors.](#)  
*BACKGROUND: Self-harm among prisoners is a common phenomenon. This study...3rd November, 2009*  
Department of Forensic Medicine and Toxicology, National and Kapodistrian- Eur Psychiatry. 2009 Nov 17. ([DOI Direct Link](#))
- [Alcohol and drug involvement after adolescent treatment and functioning during emerging adulthood.](#)  
*This study identified patterns of alcohol and other drug (AOD) involvement...3rd November, 2009*  
Reed College, 3203 SE Woodstock Blvd., Portland, OR 97202, USA.- Drug Alcohol Depend. 2009 Nov 17. ([DOI Direct Link](#))
- [Cumene hydroperoxide hydrogenation over Pd/C catalysts.](#)  
*Pd/C catalysts were prepared by wet impregnation using K(2)PdCl(4) as...3rd November, 2009*  
State Key Laboratory of Chemical Engineering, East China University of- J Hazard Mater. 2009 Oct 27. ([DOI Direct Link](#))

## BioNews Results for Alcohol

- [Older adults with alcohol dependence problems drink more than younger counterparts](#)  
*News-Medical.Net: Nov 21 2009 7:21AM Matching: alcohol*
- [Alkermes Begins Phase 2 Clinical Study of ALKS 33 for the Treatment of Alcohol Dependence](#)  
*TradingMarkets: Nov 21 2009 4:02AM Matching: alcohol*
- [Don't lose your head over beer claim](#)  
*Nursing Times: Nov 21 2009 7:29AM Matching: alcohol*
- [Alkermes Begins Phase 2 Clinical Study of ALKS 33 for the Treatment of Alcohol Dependence](#)  
*Individual.com: Nov 21 2009 6:40AM Matching: alcohol*
- [Alkermes Begins Phase 2 Clinical Study of ALKS 33 for the Treatment of Alcohol Dependence](#)  
*Individual.com: Nov 21 2009 6:38AM Matching: alcohol*
- [Climate Change Bad News For Winemakers](#)  
*MedIndia: Nov 21 2009 6:16AM Matching: alcohol*
- [Popular Science Top Health Innovations 2009](#)  
*Malaysian Medical Resources: Nov 21 2009 5:17AM Matching: alcohol*
- [Older Problem Drinkers Use More Alcohol Than Do Their Younger Counterparts](#)  
*Newswise: Nov 20 2009 7:37PM Matching: alcohol*
- [Older problem drinkers use more alcohol than do their younger counterparts](#)  
*Genetic Engineering News: Nov 20 2009 5:24PM Matching: alcohol*
- [Medical News: Mathematical Abilities Examined In Children With Fetal Alcohol Spectrum Disorder](#)  
*BioFind: Nov 20 2009 3:57PM Matching: alcohol*
- [Medical News: Mathematical Abilities Examined In Children With Fetal Alcohol Spectrum Disorder](#)  
*BioFind: Nov 20 2009 3:55PM Matching: alcohol*
- [Alcohol Reduces Heart Disease Risk in Men: Study](#)  
*MedIndia: Nov 20 2009 6:34AM Matching: alcohol*
- [Mathematical Abilities Examined In Children With Fetal Alcohol Spectrum Disorder](#)  
*Medical News Today: Nov 20 2009 4:59PM Matching: alcohol*
- [Intervention Cuts Risky Drinking in DWI Offenders](#)  
*MedPage Today: Nov 20 2009 1:21AM Matching: alcohol*
- [Flu vaccination clinics planned for this week](#)  
*Chadron Record: Nov 20 2009 11:14PM Matching: alcohol*

## Alcohol Clinical Trials:

- [Pharmacogenetics of Alcohol: Treatment Implications](#)





## Alcohol Patents:

- 7619119- [Processes for converting glycerol to amino alcohols](#)
- 7619147- [Plants and seeds of corn variety CV449242](#)
- 7619150- [Plants and seeds of corn variety CV227310](#)
- 7619151- [Plants and seeds of corn variety CV614443](#)
- 7619152- [Plants and seeds of corn variety CV341132](#)
- 7619153- [Plants and seeds or corn variety CV024085](#)
- 7619167- [Fiber reinforced plastic wire for strength member of overhead transmission cable, method for manufacturing the same, and overhead transmission cable using the same](#)
- 7619204- [Imaging reader with enhanced light throughput](#)
- 7619235- [Optical sampling arrangements](#)
- 7619246- [Organic light emitting compound and organic light emitting device comprising the same](#)
- 7619301- [GaAs semiconductor substrate and fabrication method thereof](#)
- 7619146- [Method for modifying plant morphology, biochemistry and physiology](#)
- 7619145- [Cotton variety 03Y056](#)
- 7619144- [Cotton variety 02T15](#)
- 7619120- [Processes for the preparation of diphenylsulfone compounds](#)
- 7619124- [Process for the preparation of propylene glycol](#)
- 7619125- [Hydrogenation promoter, hydrogenation catalyst, and process for producing alkene compound](#)
- 7619127- [Method of operating a riser reactor](#)
- 7619128- [Stabilizing catalyst activity during catalyst regeneration](#)
- 7619129- [Process for the separation of olefins and paraffins](#)
- 7619131- [Articles comprising transparent/translucent polymer composition](#)
- 7619132- [Degradable breathable multilayer film with improved properties and method of making same](#)
- 7619137- [Transcription factor stress-related proteins and methods of use in plants](#)
- 7619138- [Precise breeding](#)
- 7619356- [ITO film treated by nitrogen plasma and the organic luminescent device using the same](#)
- 7619423- [Direct method and apparatus for testing anticorrosion performance of aqueous protective fluids with wire beam electrode sensors](#)
- 7620281- [Subwavelength-diameter silica wires for low-loss optical waveguiding](#)
- 7620285- [Optical waveguide with a colored layer and method for manufacturing the same](#)
- 7620343- [Image forming apparatus and method having cleaner using titanium oxide particles](#)
- 7620357- [Image forming apparatus with obtuse-edge cleaning blade](#)
- 7620438- [Method and system for powering an electronic device](#)
- 7620439- [Conductive adhesives and biomedical articles including same](#)
- 7620488- [Engine control apparatus](#)
- 7620521- [Dynamic weight sensing and classification of vehicular occupants](#)
- 7620531- [Method for determining and representing food products based on nutrient density rating and predicted satiating effect](#)
- 7620560- [Computer-implemented method for grouping medical claims with clinically representative dynamic clean periods](#)
- 7620212- [Electro-optical sensor](#)
- 7619948- [Timepiece dial and timepiece](#)
- 7619888- [Flat heat column and heat dissipating apparatus thereof](#)

- 7619533- [Method and apparatus for monitoring persons](#)
- 7619600- [Driving method of liquid crystal device and driving device of liquid crystal device](#)
- 7619678- [Solid state imaging device and method for manufacturing the same](#)
- 7619706- [Liquid crystal panel, liquid crystal television, and liquid crystal display apparatus](#)
- 7619712- [Polarizer-alignment dual function film, fabrication method thereof and LCD containing the same](#)
- 7619803- [Electrochromic display element and full-color electrochromic display element](#)
- 7619809- [Mirror assemblies incorporating variable index of refraction materials](#)
- 7619816- [Structures for polarization and beam control](#)
- 7619818- [Elliptically polarizing plate and image display](#)
- 7619821- [Optical element having anti-reflection coating](#)
- 7620605- [System and method for processing tokenless biometric electronic transmissions using an electronic rule module clearinghouse](#)

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