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Basic Study

Superior gallstone dissolubility and safety of tert-amyl ethyl ether over methyl-tertiary butyl ether

You DD *et al.* Contact litholysis by TAEE

Dong Do You, ⁴ Suk Joon Cho, Ok-Hee Kim, Jin Sook Song, Kyu-Seok Hwang, Sang Chul Lee, Kee-Hwan Kim, Ho Joong Choi, Ha-Eun Hong, Haeyeon Seo, Tae Ho Hong, Jung Hyun Park, Tae Yoon Lee, Joseph Ahn, Jae-Kyung Jung, Kwan-Young

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Contact litholysis by tert-amyl ethyl ether (TAEE) is superior to MTBE in both i



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Methyl tertiary butyl ether appears to be a powerful in vivo gall stone dissolution agent which, from preliminary studies, is not associated with serious toxicity. Discover the world's research 15 ...

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Ethyl tertiary-butyl ether (ETBE), tertiary-amyl methyl ether (TAME), tertiary-amyl ethyl ether (TAEE) and diisopropyl ether (DIPE), among others, may supplement, or serve as alternatives to MTBE for oxygenation or octane enhancement purposes and may be found, therefore, in association with MTBE.

www.science.gov

<https://www.science.gov/topicpages/e/ethyl+tert-butyl+ether.html> ▾

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tert-butyl methyl ether: Topics by Science.gov

<https://www.science.gov/topicpages/t/tert-butyl+methyl+ether.html> ▾

Sep 01, 2017 · Methyl tert butyl ether is anti-angiogenic in both in vitro and in vivo mammalian model systems.. PubMed. Kozlosky, John; Bonventre, Josephine; Cooper, Keith. 2013-08-01. Methyl-tertiary butyl ether (MTBE), a well known gasoline oxygenate, and US Food and Drug Administration approved gallstone treatment, has been previously shown to specifically target teleost embryonic angiogenesis.

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Tert-Butyl ethyl ether | C6H14O - PubChem

<https://pubchem.ncbi.nlm.nih.gov/compound/Tert-Butyl-ethyl-ether>

Tert-amyl methyl ether (TAME) and ethyl tert-butyl ether (ETBE) were evaluated in 4-week rat inhalation studies sponsored by Amoco Corporation. Target vapor concentrations were 0, 500, 2000, or 4000 ppm for 6 hr per day, 5 days per week, for 4 weeks.

Tert-Amyl methyl ether | C6H14O - PubChem

<https://pubchem.ncbi.nlm.nih.gov/compound/Tert-Amyl-methyl-ether>

The biotransformation of methyl tert-butyl ether, ethyl tert-butyl ether, and tert-amyl methyl ether (TAME) was studied in humans and in rats after inhalation of 4 and 40 ppm of MTBE, ETBE, and TAME, respectively, for 4 hours, and the biotransformation of MTBE and TAME was studied after ingestion exposure in humans to 5 and 15 mg in water.

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Methyl tert-butyl ether - Wikipedia

https://en.wikipedia.org/wiki/Methyl_tert-butyl_ether ▾

Methyl tert-butyl ether (MTBE), also known as tert-butyl methyl ether, is an organic compound with a structural formula (CH₃)₃COCH₃. MTBE is a volatile, flammable, and colorless liquid that is sparingly soluble in water. It has a minty smell vaguely reminiscent of diethyl ether, leading to unpleasant

Chemical formula: C₅H₁₂O **Melting point:** -109 °C (-164 °F; 164 K)

Molar mass: 88.150 g·mol⁻¹ **Solubility in water:** 42 g/L (20 °C)

Vapor intrusion risk of fuel ether oxygenates methyl tert ...

https://www.researchgate.net/publication/314132383_Vapor_intrusion_risk_of_fuel_ether...

This study used an advanced numerical model to investigate the vapor intrusion potential of fuel ether oxygenates methyl tert-butyl ether (MTBE), tert-amyl methyl ether (TAME), and ethyl tert ...

Author: lie Ma, Desen Xiong, Haiyan Li, Yong



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Tert-Amyl methyl ether | C₆H₁₄O - PubChem

<https://pubchem.ncbi.nlm.nih.gov/compound/Tert-Amyl-methyl-ether>

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Author: Jie Ma, Desen Xiong, Haiyan Li, Yongqi ...

tert-butyl methyl ether: Topics by Science.gov

<https://www.science.gov/topicpages/t/tert-butyl+methyl+ether.html> ▾

Sep 01, 2017 · The toxicokinetics and biotransformation of methyl-tert-butyl ether (MTBE), ethyl-tert-butyl ether (ETBE) and tert-amyl-methyl ether (TAME) in rats and humans are summarized. These ethers are used as gasoline additives in large amounts, and thus, a considerable potential for human exposure exists. After inhalation exposure MTBE, ETBE and TAME ...