

sustainability in EVERY DROP

Bio-Based Solvents for Greener Future

Protect both your research and the environment by switching to our bio-based solvents. Made from renewable feedstocks, our Dihydropinene (DHP) and Bio Ethyl Acetate offer more sustainable and high-performing alternatives to traditional petroleum-based solvents.

Dihydropinene (DHP, Pinane)

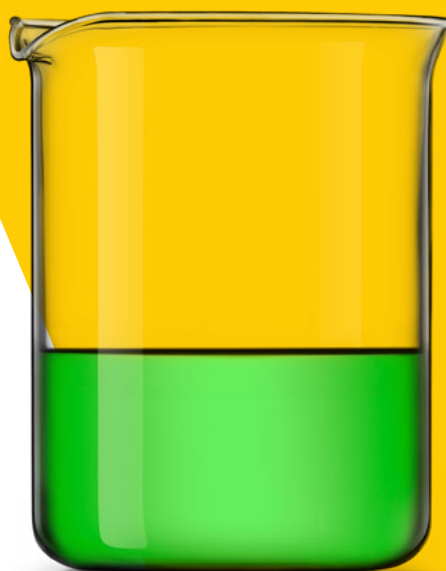
DHP is a biodegradable and bio-based solvent derived from turpentine oil extracted from pine trees. It serves as a greener substitute to toluene, hexane, dichloromethane, and benzene in chemical transformations. With its structural similarity to cyclohexane and lower environmental impact, it supports Green Chemistry principles of "Use of Renewable Feedstocks" and "Safer Solvents & Auxiliaries", making it an ideal choice for synthesis and extraction processes.

Features & Benefits:

- ≥99.9% renewable carbon content (verified by ASTM D6866)
- Free from petroleum-based contaminants
- Reduces carbon footprint by minimizing fossil fuel use
- Ideal for targeted synthesis because of its azeotropic nature with water
- Low volatility ensures safer handling and reduces solvent loss
- High boiling point and viscosity enable efficient recovery, reuse, and waste reduction

Applications:

- Thalidomide synthesis
- Halogenation and N-alkylation reactions
- Cross-coupling reaction
- Diels-Alder reaction
- Ring-closing metathesis
- Knoevenagel condensation
- Quinazalone synthesis of quinazolones



Description	CAS No.
Dihydropinene (DHP, Pinane)	473-55-2



Bio Ethyl Acetate

This bio-based solvent obtained from corn offers a more sustainable alternative to petroleum-based ethyl acetate. As a drop-in replacement, it maintains high performance while lowering environmental impact.

Features & Benefits:

- Sourced from renewable materials
- $\geq 99.9\%$ renewable carbon content (ASTM D6866 verified)
- Direct replacement for petroleum-based ethyl acetate
- Reduces environmental footprint and reliance on fossil fuels
- Maintains high performance across various applications

Applications:

- Extraction of various compounds from natural sources
- Thin-layer chromatography (TLC)
- Flash chromatography
- Esterifications
- Acylations
- Condensations

Description	CAS No.
Bio Ethyl Acetate	141-78-6



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