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## Terpene analogues of dithiophosphate pesticides

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### Abstract

New optically active O,O-diterpenyl dithiophosphoric and O-terpenyl aryldithiophosphonic acids were prepared when chiral terpenols such as (1R)-endo-(+)-fenchyl alcohol, (1S)-endo--(-)-borneol, (1R)-(-)-nopol, and (1R,2S,3S,5R)-(+)-isopinocampheol were involved in reactions with tetraphosphorus decasulfide and 2,4-diaryl 1,3,2,4- dithiadiphosphetane-2,4- disulfides. Copyright © Taylor & Francis Group, LLC.

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### Keywords

2,4-diaryl 1,3,2,4-dithiadiphosphetane-2,4-disulfides, Chiral terpenols, Dithiophosphonic acids, Dithiophosphoric acids, Optical activity, Tetraphosphorus decasulfide