## A Unified Synthetic Approach to the Pleurotin Natural Products

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Communication

## A Unified Synthetic Approach to the Pleurotin Natural Products

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- Pleurotin family of 14 natural products isolated from fungus Pleurotus griseus in 1947
- Exhibit antitumor activity (carcinoma, leukemia, breast tumors)
- No enantioselective syntheses of compounds 1-4 reported
- This work describes synthesis of 4
  pleurotin natural products from 1
  common intermediate in 15-16 steps

(+)-leucopleurotin (2)

(+)-leucopleurotinic acid (4)

(+)-dihydropleurotinic acid (3) (+)-leucopleurotinic acid (4)







