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methodically,
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page margins
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important
principles and
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Jonathan
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al.].

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this book is a
Pacific yew
tree, found in
the ancient
forests of the
Pacific
Northwest. The
bark of the
Pacific yew
tree produces
Taxol, found to
be a highly

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effective drug
against ovarian
and breast
cancer. Taxol
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during
eukaryotic cell
division. The
supply of Taxol
from the
Pacific yew
tree is
vanishingly

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small, however.
A single
100-year-old
tree provides
only about one
dose of the
drug (roughly
300 mg). For
this reason, as
well as the
spectacular
molecular
architecture of

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Taxol,
synthetic
organic
chemists
fiercely
undertook
efforts to
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Five total
syntheses of
Taxol have thus
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a combination
of isolation of
a related
metabolite from
European yew
needles, and
synthesis of
Taxol from that
intermediate,
supply the
clinical
demand. This
case clearly

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demonstrates
the importance
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chemistry. It's
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