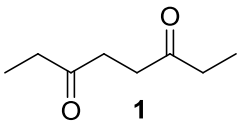
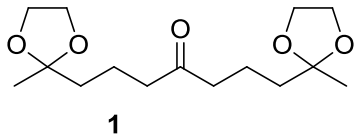
Übungen 2 - Synthesestrategien

1. Schlagen Sie für das nachstehende Diketon mehrere Synthesewege vor (z.B. durch Umpolung, über Cyclopropan-Zwischenstufe, mittels Homoenolat, Verwendung eines dissonanten Bausteins, durch homolytische Spaltung).



1

2. In den folgenden Verbindungen finden sich konsonante difunktionelle Beziehungen. Schlagen Sie geeignete retrosynthetische Schnitte bzw. Synthesewege vor. (Hinweis zu: **1** FGI durch Addition einer Carboxylgruppe)



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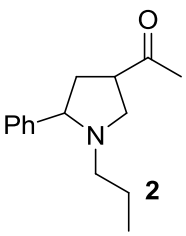

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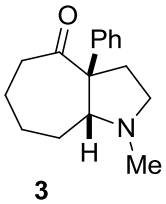

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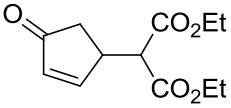

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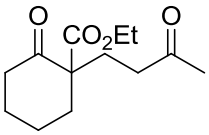

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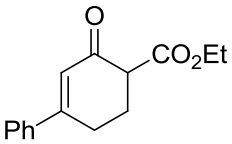

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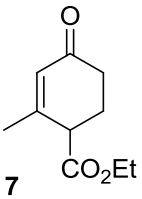

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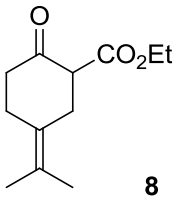

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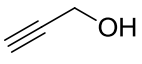
3. Schlagen Sie Synthesewege zu den nachstehenden Alkinolen vor (Keywords: Acetylide, Alkine durch doppelte Eliminierung, Ringöffnungen, Wanderung der Dreifachbindung).



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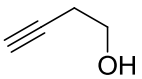

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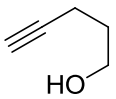

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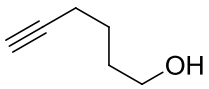

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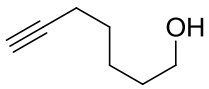

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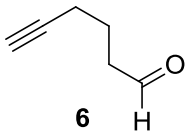

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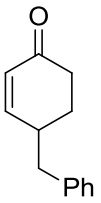
4. Wie könnte man die nachstehenden Cyclohexenone darstellen?



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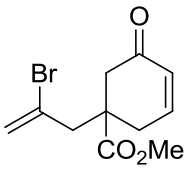

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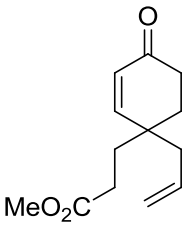

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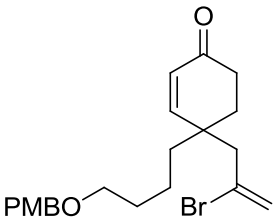

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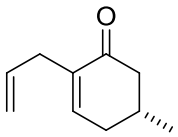

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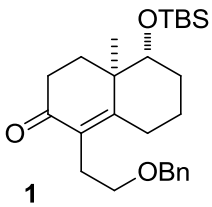
5. Schlagen Sie Synthesewege zu den folgenden Dekalin-Systemen vor.



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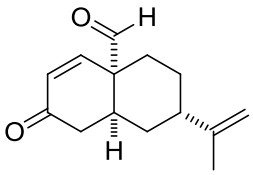

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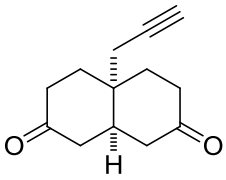

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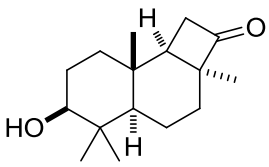

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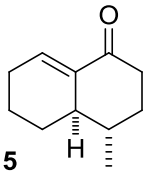

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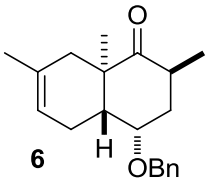

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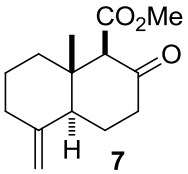

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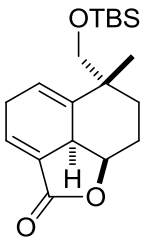

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