

### Identification

Diiodomethane  
 Methylene iodide  
 CAS no. 75-11-6  
 BRN 1696892

### Specifications

Assay . . . . .min. 99.0% (GC)  
 Non-volatile matter . . . . .< 0.02%

### Properties

Light yellow to reddish liquid  
 Molecular weight . . . . .267.8  
 Melting point . . . . .5 - 7°C  
 Boiling point . . . . .180 - 181°C  
 Density . . . . .3.31 - 3.32 g/ml

### Safety & Handling

R 20/21/22, 36/37/38  
 S 26, 36/37/39  
 UN 2810  
 TSCA  
 EINECS 200-841-5

### References

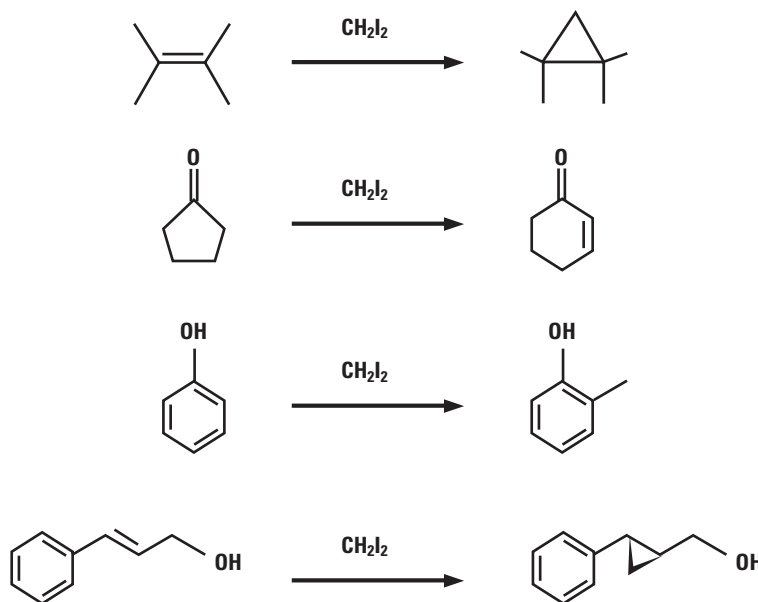
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4. E.K. Lehnert et al., Tetrahedron Lett. 30 (1989), 5215
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## Methylenations Diiodomethane



Useful reagent for cyclopropanation of alkenes according to Simmons-Smith, ring expansion of cyclic ketones, introduction of methylene bridges, ortho-methylation of phenols and in enantioselective cyclopropanation.

### Applications



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