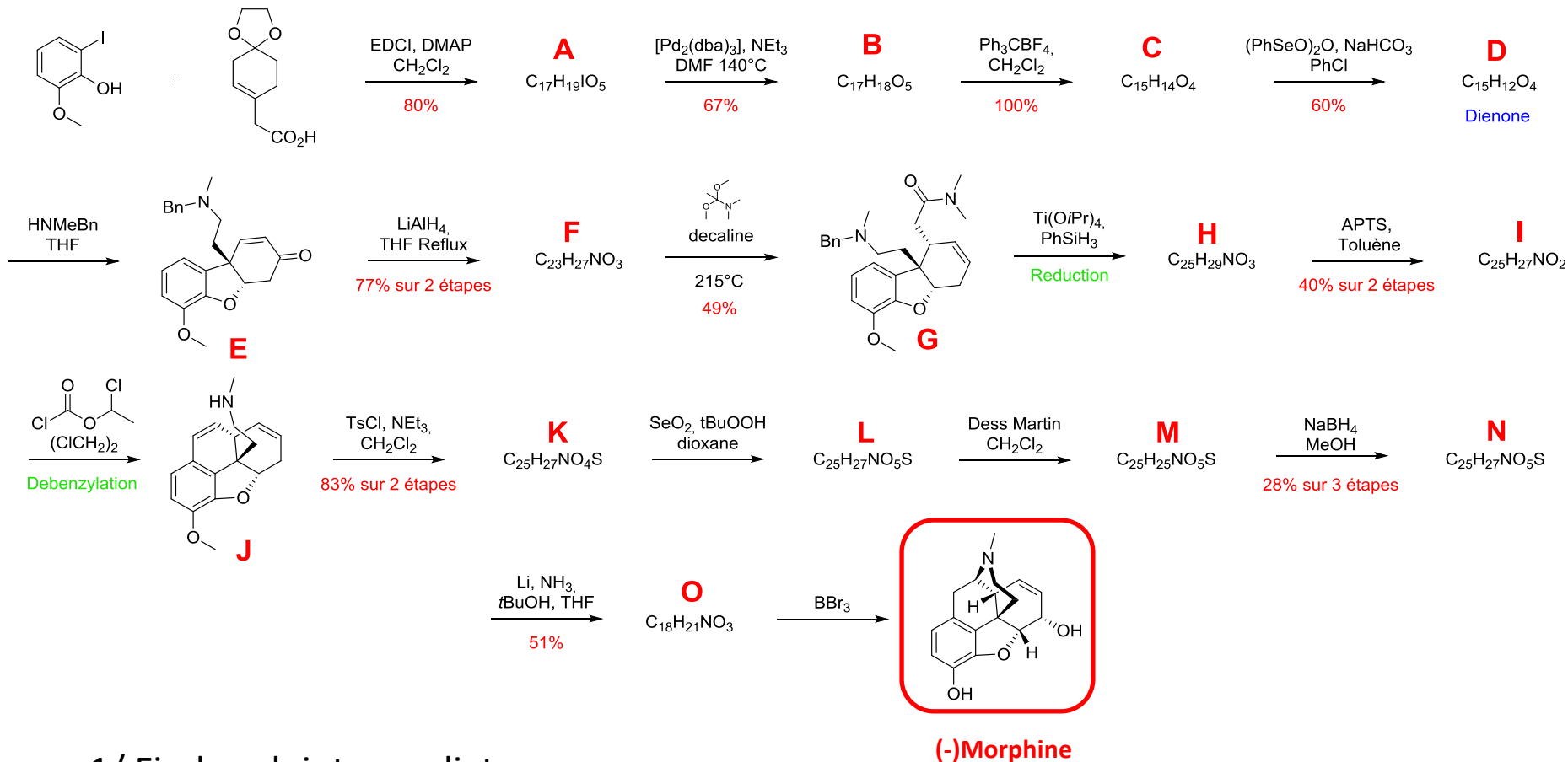


Total synthesis of (-)Morphine



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Morphine is an opium alkaloid extracted from *Papaver somniferum*. It is indicated in moderate to severe pain as in surgery, trauma, acute pulmonary edema, fractures, cancer pain, and severe neuralgia.. .



- 1/ Find each intermediate
- 2/ Explain the formation of E, G and O

1/

