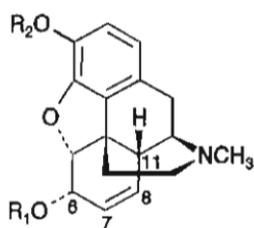


Protoveratrine A : R = H

Protoveratrine B : R = OH

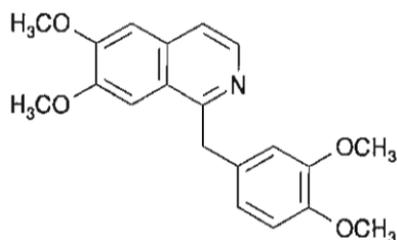


Morphine R<sub>1</sub> = R<sub>2</sub> = H

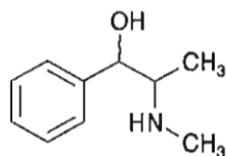
Codeine R<sub>1</sub> = H; R<sub>2</sub> = CH<sub>3</sub>

Thebaine R<sub>1</sub> = R<sub>2</sub> = CH<sub>3</sub>

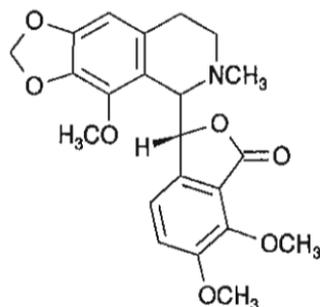
(double bond C 6/7 and C 8/11)



Papaverine



Ephedrine



Noscapine