**Penicillium chrysogenum**

**Penicillin G**

C₁₇H₁₈N₂O₅S  
MW: 334.4 g/mol

**Tobacco Plant**  
Nicotiana tabacum

**Nicotine**

C₁₀H₁₄N₂  
MW: 162.23 g/mol

**Opium Poppy**  
Papaver somniferum

**Morphine/Codeine**

C₁₇H₁₉NO₂ / C₁₈H₂₁NO₃  
MW: 285.34 / 299.364 g/mol

**White Willow**  
Salix alba

**Salicin**

C₁₉H₂₄O₅  
MW: 286.28 g/mol

**Cannabis Sativa**

**FACT:** The antibiotic Penicillin G is derived from this species of fungus.

**USE:** Antibiotic (also known as benopenicillin)

**Play:** Place under source card for extra points.

**FACT:** Tobacco contains the phytochemical nicotine.

**USE:** Nicotine

**Play:** Place under source card for extra points.

**FACT:** Opium poppy

**USE:** Analgesic, precursor to heroin and methadone

**Play:** Place under source card for extra points.

**FACT:** The drug Salicin is isolated from the bark of the White Willow.

**USE:** Precursor to aspirin, antipyretic, analgesic, anti-inflammatory

**Play:** Place under source card for extra points.

**FACT:** The drug tetrahydrocannabinol is isolated from Cannabis sativa.
$\Delta^9$TETRAHYDROCANNABINOL

C$_2$H$_{30}$O$_2$

MW: 314.469 g/mol

(source) Cannabis Sativa

(use) psychotropic, mild analgesic, appetite stimulation

(play) Place under source card for extra points.