**Product name**: Noscapine

**Description**: Antitussive, antimitotic agent; non-addictive.

**Biological description**: A phthalide isoquinoline non-narcotic alkaloid derived from the opium poppy *Papaver somniferum*, with antitussive, and potential antineoplastic activities. Exerts its antitussive effects through the activation of sigma opioid receptors. Exerts its antimitotic effect by binding to tubulin, resulting in a disruption of microtubule assembly dynamics and subsequently, the inhibition of mitosis and tumor cell death.

**Chemical name**: 3S)-6,7-dimethoxy-3-[(5R)-4-methoxy-6-methyl-7,8-dihydro-5H-[1,3]dioxolo[4,5-g]isoquinolin-5-yl]-3H-2-benzofuran-1-one

**Molecular weight**: 413.42

**Chemical structure**:

![Chemical structure of Noscapine](image)

**Molecular formula**: C_{22}H_{23}NO_{7}

**CAS Number**: 128-62-1

**PubChem identifier**: 275196

**Storage instructions**: Shipped at 4°C. Store at -20°C. Store under desiccating conditions.

**Handling**: Under Inert Atmosphere.

Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.

**SMILES**: COc1c5OCOC5cc2CCN(C)[C@H]([c12][C@H]4OC(=O)c3c(OC)c(c34)OC

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