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Morphine

National Cancer Institute

Source

National Cancer Institute. *Morphine*. NCI Thesaurus. Code C62051.

An opiate alkaloid isolated from the plant *Papaver somniferum* and produced synthetically. Morphine binds to and activates specific opiate receptors (delta, mu and kappa), each of which are involved in controlling different brain functions. In the central nervous and gastrointestinal systems, this agent exhibits widespread effects including analgesia, anxiolysis, euphoria, sedation, respiratory depression, and gastrointestinal system smooth muscle contraction. (NCI04)