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# 50% Oxygen/50% Nitrous Oxide Premix

National Cancer Institute

## Source

National Cancer Institute. *50% Oxygen/50% Nitrous Oxide Premix*. NCI Thesaurus. Code C77890.

An equimolar gas mixture of oxygen (O<sub>2</sub>) and nitrous oxide (N<sub>2</sub>O) with potential analgesic activity. Upon inhalation, 50% oxygen/50% nitrous oxide premix produces rapidly reversible analgesia. The exact mechanism through which nitrous oxide exerts its analgesic effect has yet to be fully elucidated, but it appears to be associated with the neuronal release of endogenous opioid peptides.