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Ketamine Hydrochloride

National Cancer Institute

Source

National Cancer Institute. *Ketamine Hydrochloride*. NCI Thesaurus. Code C29142.

The hydrochloride salt of a synthetic derivative of cyclohexanone with analgesic and anesthetic activities. Although its mechanism of action is not well understood, ketamine appears to non-competitively block N-methyl-D-aspartate (NMDA) receptors and may interact with opioid mu receptors and sigma receptors, thereby reducing pain perception, inducing sedation, and producing dissociative anesthesia.