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Flumazenil

National Cancer Institute

Source

National Cancer Institute. *Flumazenil*. NCI Thesaurus. Code C47534.

An imidazo-benzodiazepine derivative, effective in reversing benzodiazepine-induced activities. Flumazenil antagonizes the benzodiazepine binding site of the gamma-aminobutyric acid (GABA)/benzodiazepine receptor complex in the central nervous system (CNS), thereby preventing the chloride channel opening events and inhibiting neuronal hyperpolarization. As a result, flumazenil reverses benzodiazepine-induced effects including sedation, psychomotor deficits, amnesia, and hypoventilation in a dose-dependent manner.