

MIDAZOLAM

Midazolam is a short acting benzodiazepine (GABA receptors) with hypnotic, anxiolytic, and amnesic properties but NO analgesic properties. It causes little or mild cardiovascular and respiratory depression in appropriate doses. It has a short duration of action but has potential to accumulate in sick patients with renal and hepatic failure due to delayed metabolism and accumulation of active metabolites. Midazolam can promote delirium, but is a potent anticonvulsant for use in seizures.

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RECEPTOR TYPE	Gaba Receptors	$\alpha 2$ -Receptors	Opioid Receptors
Receptor type	✓		
ONSET	Rapid (< 1 minute)	Intermediate (1-3 minutes)	Slow (> 3 minutes)
Rate of Onset		✓	
Rate of Offset			✓
EFFECT	Strong	Weak	None
Sedative effect (hypnosis and anxiolysis)	✓		
Amnesic effect	✓		
Analgesic effect			✓
RISKS	None	Lower Risk	Higher Risk
Cardiovascular effects (low pulse and/or blood pressure)		✓	
Respiratory depression		✓	
Potential to cause delirium			✓
Active metabolites and/or accumulation			✓
Potential toxic effects		✓	
COST	Low	Intermediate	High
Cost	✓		