

RX

Drug Name: Etomidate
Trade Name: Amidate
REVISED: November 1, 2017

Class:

- Anesthetic
- Non-narcotic sedative hypnotic

Mechanism of Action:

- Etomidate appears to facilitate GABA-minergic neurotransmission by increasing the number of available GABA receptors, possibly by displacing endogenous inhibitors of GABA binding (*Remembering that GABA is an inhibitory neurotransmitter*)
- Etomidate is short acting and its effects are at least partially due to depression of the reticular activating system
- Induces sedation & amnesia
- It has minimal cardiac & respiratory depressive effects and causes no histamine release

Indications:

- Induction agent for intubation

Contraindications:

- Hypersensitivity
- Labor / Imminent Delivery
- Induction agent for intubation in patients with septic shock

Precautions:

- Elderly
- Hepatic/Renal disease
- Pregnancy (C)
- Safety not established under the age of 10

Available Forms

- 2 mg/ml vials

Dosage:

Adults:

- Intubation: 0.3 mg/kg slow IV over 30-60 seconds (usual dose is 20-30 mg) repeat as needed. Maximum dose 0.6 mg/kg

Pediatrics:

- 2- 8 years of age--0.3 mg/kg slow IV over 30-60 seconds. Maximum dose 0.6 mg/kg

Onset:

- 30 seconds

Duration:

- 3-5 minutes

Side Effects:

- N/V (especially with rapid administration)
- Dyspnea (*mostly relieved with airway positioning*)
- Dysrhythmias
- Hypotension or Hypertension
- Temporary involuntary muscle movements

DRUG: ETOMIDATE

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This document is for **reference only**. Please refer to SWO's for specific indications, dosages, and applications

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Interactions:

- Potentiates with other CNS depressants.
- Concurrent use of antihypertensives agents may cause hypotension

PEARLS:

- *As with other sedative hypnotics, carefully monitor airway, breathing, & circulation when administering etomidate (i.e. SpO₂, EKG, blood pressure). Be prepared to manage the airway aggressively*
- *Can suppress adrenal hormone synthesis.*
- *Should be given through a large, proximal vein to avoid pain at the injection site*
- *Etomidate is not currently recommended for pediatrics under the age of 2*

REFERENCE ONLY