

**Class**

Antidote

**Pharmacologic Properties**

Reduces methemoglobin to hemoglobin in low doses.

**Indications**

- Used for the treatment of methemoglobinemia associated with exposure to aromatic nitro, ammino, or sodium nitrite compounds [Protocol 25](#).

**Contraindications**

- Absence of methemoglobinemia.

**Precautions**

- **WARNING** Methylene Blue is itself toxic and may produce disorientation, elevated BP, nausea, diarrhea and delayed hemolytic anemia.

**Adverse Reactions**

- Dyspnea, chest pain, red cell hemolysis, and arrhythmias.

**Dosage and Administration****Adult**

- 1 – 2 mg/kg slow IV/IO over 2 – 5 minutes.
  - Discontinue administration if hypotension occurs.

**Pediatric**

- 1 mg/kg slow IV/IO over 2 – 5 minutes.
  - Discontinue administration if hypotension occurs.