

ATROPINE

SYNONYMS	Atropine sulfate monohydrate
BRAND NAME	ATROPINE INJECTION BP PFIZER
DRUG CLASS	Anticholinergic (antimuscarinic)
AVAILABILITY	Ampoule contains 600 microgram/mL or 1.2 mg/mL of atropine sulfate. Also contains sodium chloride. ¹ The solution is clear and colourless. ² Prefilled syringe (Laboratoire Aguettant) contains 1 mg/5 mL of atropine sulfate. Also contains sodium chloride and hydrochloric acid. ³ The prefilled syringe is an S19A approved medicine.
pH	Prefilled syringe: 3.2–4 ³
PREPARATION	Ready to use
STABILITY	Ampoule: store below 25 °C. ¹ Infusion solution: stable for 24 hours at up to 34 °C. ⁴
ADMINISTRATION	
IM injection	Suitable. ^{1,3}
SUBCUT injection	Suitable. Use the ampoule. ¹
IV injection	Inject rapidly over a few seconds. Slow injection may worsen bradycardia. ⁵
IV infusion	Large doses may be given as a continuous infusion in severe organophosphate poisoning. ⁶
IV use for infants and children	Inject rapidly over a few seconds. Use the ampoule. ¹ The Laboratoire Aguettant prefilled syringe is not suitable for paediatric use. ³
COMPATIBILITY	
Fluids	Plasma-Lyte 148 via Y-site ⁷ , sodium chloride 0.9% ⁴
Y-site	Amiodarone ⁴ , argatroban ⁴ , eptifibatid ¹ , fentanyl ⁴ , heparin sodium ⁴ , hydrocortisone sodium succinate ⁴ , hydromorphone ⁴ , methadone ⁴ , morphine sulfate ⁴ , palonosetron ⁴ , potassium chloride ⁴ , tirofiban ⁴
INCOMPATIBILITY	
Fluids	No information
Drugs	Ampicillin ¹ , flucloxacillin ⁴ , metaraminol ¹ , thiopental sodium ¹

REFERENCES

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2. Consumer medicine information. Available from www.tga.gov.au. Accessed 04/04/2022.
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4. McEvoy GK editor. Handbook on injectable drugs. 20th ed. Bethesda, MD: American Society of Health-System Pharmacists; 2018.
5. McEvoy GK editor. AHFS Clinical Drug Information [internet]. Bethesda, MD: American Society of Health-System Pharmacists; 2022. Updated 24/04/2017. Accessed 04/04/2022.
6. Organophosphate and carbamate poisonings [August 2020]. eTG Complete [internet]. Melbourne, Vic; March 2021.
7. OneCall Medical Information Service. Y-Site compatibility of intravenous drugs with Plasmalyte 148. Toongabbie, NSW: Baxter; 2015.