

Tramadol

Synonym(s)	Tramadol hydrochloride
Drug class	Opioid analgesic
Trade name (Sponsor)	Tramal (Seqirus)
Presentation	50 mg in 1 mL and 100 mg in 2mL solution for injection.
Storage	Store below 30°C.

Administration

Adults

Preferred	Intermittent intravenous infusion	Administer undiluted or diluted solution over at least 15 minutes.
Permitted	Direct intravenous	Administer undiluted over 2–3 minutes.
Permitted	Intramuscular	Administer undiluted.
Possible	Subcutaneous	Suitable in palliative care as a subcutaneous infusion; dilute in sodium chloride 0.9% and infuse over 24 hours.
	Continuous intravenous infusion	Not recommended.

Paediatrics

Preferred	Intermittent intravenous infusion	Children over 2 years Administer undiluted or diluted solution over at least 15 minutes.
Permitted	Direct intravenous	Children over 12 years Administer undiluted over 2–3 minutes.
Permitted	Intramuscular	Children over 12 years Administer undiluted.
	Continuous intravenous infusion	Not recommended.
	Subcutaneous	Not recommended.

Undiluted solution

Tramal is a clear and colourless solution. Each 1 mL of solution contains 50 mg of tramadol. Discard any unused portion immediately.

Dilution

Intermittent intravenous infusion

Compatible IV fluid(s): sodium chloride 0.9%, glucose (dextrose) 5%, compound sodium lactate (Hartmann's solution), Ringer's solution.

Volume of IV fluid(s): convenient volume such as 50–100 mL.

Undiluted solution can be further diluted. Discard any unused portion immediately.

Monitoring

♦ Monitor sedation score and respiratory rate. ♦ Monitoring for symptoms of opioid toxicity including respiratory depression especially in children, elderly, high or repeated doses.

Other information

Incompatible drug(s) include: diclofenac, indomethacin, diazepam, flunitrazepam, glyceryl trinitrate or midazolam.

Tramadol

- ◆ Commercially prepared and PHARMAC-funded premixed solutions: 1 000 mg per 100 mL bag.
- ◆ Dizziness, vomiting, perspiration, orthostatic dysregulation and tachycardia, and nausea are more common with rapid intravenous administration. ◆ *See local guidelines, manufacturer's Medicine Data Sheet and New Zealand Formulary for full prescribing information.*