

TENIPOSIDE

SYNONYMS	VM-26
BRAND NAME	VUMON
DRUG CLASS	Cytotoxic antineoplastic, podophyllotoxin
AVAILABILITY	Vial contains 50 mg/5 mL of teniposide. Also contains N,N-dimethylacetamide, polyoxyethylated castor oil, benzyl alcohol, ethanol and maleic acid. ¹ The solution is faintly yellow to yellow. ¹
WARNING	Cytotoxic. Strict handling precautions are required. Anaphylactic reactions may occur. Resuscitation facilities must be readily available. ¹
pH	Approximately 5 ¹
PREPARATION	In a cytotoxic drug safety cabinet: dilute the dose in 500 mL of sodium chloride 0.9%. Handle gently as excessive shaking may cause precipitation. ¹ Use glass bottles or non-PVC bags, as N,N-dimethylacetamide can leach plasticisers from PVC bags. ¹ May also be diluted with glucose 5%, however a glass container must be used. ¹
STABILITY	Ampoule: store below 25 °C. ¹ Infusion solution: stable for 24 hours at 2 to 8 °C in glass containers. Do not freeze. ¹ Stable for 8 hours in sodium chloride 0.9% in plastic containers. Do not dilute in 5% glucose in plastic containers. ¹ Longer stability information is available. ² Precipitation may occur, inspect solutions and infusion sets frequently. ²
ADMINISTRATION	
IM injection	Not applicable
SUBCUT injection	Not applicable
IV injection	Not recommended. Rapid IV administration can cause hypotension. ¹
IV infusion	Infuse over at least 30 minutes. Handle gently as excessive shaking may cause precipitation. Use DEHP-free giving sets. ¹
COMPATIBILITY	Glucose 5% (glass container only) ¹ , Hartmann's ² , sodium chloride 0.9% ¹
INCOMPATIBILITY	No information
SPECIAL NOTES	Teniposide is an irritant, extravasation causes moderate complications e.g. stinging, aching, phlebitis. ³ Monitor continuously for possible anaphylactic and infusion reactions for the first 30 minutes and at frequent intervals thereafter. ¹ Check your local guidelines for premedication requirements.

REFERENCES

1. Product information. Available from www.tga.gov.au. Accessed 09/09/16.
2. McEvoy GK, editor. Handbook on injectable drugs. 18th ed. Bethesda, MD: American Society of Health-System Pharmacists; 2015.
3. Supporting document – Extravasation management V.2. eviQ Cancer Treatments Online, Cancer Institute NSW. Available from www.eviq.org.au. Updated 30/10/16. Accessed 24/11/16.