

Thiamine (Vitamin B1)

Form	100mg per 2mL ampoule (50mg/mL)
Reconstitution	Already in solution Draw up using a 5 micron filter needle Dilute further before administration
Compatibility & Stability	Sodium chloride 0.9% Glucose 5%
Administration	IV infusion Draw up dose required and add to 100mL infusion fluid Give over 30 minutes using an infusion pump A 50mL infusion may be used if required (eg fluid restriction) but the residual volume in the infusion line must be flushed through at the same rate to avoid significant underdosing.
Adverse Drug Reactions	Acute reactions: <ul style="list-style-type: none"> hypersensitivity reactions ranging in severity from very mild to, very rarely fatal anaphylactic shock bronchospasm, shortness of breath rash flushing Facilities for treating anaphylaxis should be available when administering this preparation
Extravasation	Thiamine has a low pH and may cause venous irritation and tissue damage in cases of extravasation. If a central venous access device is unavailable, administer via a large peripheral vein monitoring insertion site closely using a recognised phlebitis scoring tool. Re-site cannula at first signs of inflammation.
Additional Information	<ul style="list-style-type: none"> See CUH Recommendations for Pabrinex® and Thiamine prescribing due to supply disruption 2024/2025. Store in original packaging to protect from light This is an unlicensed medicine in Ireland

Information provided relates to Vitamin B₁-ratiopharm® manufactured by Ratiopharm.