

Sodium Phenylbutyrate (Ambutyrate)

FORM Ampoule containing 2g in 10ml (STOCKED IN RHC NICU)

INDICATION Acute hyperammonaemia due to urea cycle disorders

DOSE RANGE

NB. Treatment should not be initiated without consultation with a metabolic specialist.

AGE	DOSE	FREQUENCY	ROUTE
0 – 6 months	250mg/kg	Loading dose	IV
	Followed by 10mg/kg/hour Adjusted according to response	Continuous infusion.	IV

PRESCRIPTION OF CONTINUOUS INFUSION

1g in 20ml infusion fluid

This gives;

- 10mg/kg/hr = 0.2ml/kg/hr

RECONSTITUTION

Already in solution.

DILUTION

Sodium Phenylbutyrate 200mg/ml	5ml
Glucose 10%	Up to 20ml total

Gives a 50mg in 1ml solution. Use the required volume.

METHOD OF ADMINISTRATION

Loading Dose

5 x weight (kg) = number of mL of diluted solutions (50mg/ml) to be infused over 90 minutes

Continuous Infusion

By continuous intravenous infusion, flow rate adjusted according to response.

COMPATIBILITY

Solution compatibility	Glucose 10%
Solution incompatibility	No information
IV Line compatibility	Can be infused at Y-site with arginine, carnitine and sodium benzoate (no data to support this but has been done in practice)
IV Line incompatibility	No information

THIS LIST IS NOT EXHAUSTIVE PLEASE CONTACT PHARMACY FOR FURTHER INFORMATION ON COMPATIBILITY WITH ANY MEDICINES NOT INCLUDED

CAUTIONS, CONTRA-INDICATIONS AND SIDE EFFECTS

- See Summary of Product Characteristics and most recent edition of BNF for Children (links below)

FURTHER INFORMATION Contains 10.8mmol of sodium per 10ml vial.

West of Scotland NEONATAL Parenteral Drug Monographs

LICENSED STATUS Unlicensed

LINKS [BNF for Children](#) / [Electronic Medicines Compendium](#)

APPLICABLE POLICIES [West of Scotland Neonatal Guidelines](#):

Consult local policy if applicable

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Administer reconstituted solutions immediately.

All vials, ampoules and infusion bags are for single use only unless otherwise stated.

Dose may vary depending on indication, age, renal function, hepatic function, and concomitant medications.
This monograph should be used in conjunction with the package insert, BNF for Children, and Summary of Product Characteristics. For further advice contact your clinical pharmacist or pharmacy department.
