

The patient needs to take 10 mg at each dose and the prescriber wants 30 doses (the dose is one to be taken three times a day and the prescriber has requested a 10-day supply).

Therefore if we make the formula as above, such that each 5 ml contains 10 mg clobazam, we would need to prepare 150 ml of suspension.

Prepare 150 ml clobazam suspension 10 mg/5 ml.

Product formula

	5 ml	50 ml	150 ml
Clobazam	10 mg 1 tablet	100 mg 10 tablets	300 mg 30 tablets
Concentrated Peppermint Water BP	0.1 ml	1 ml	3 ml
Glycerol BP	0.3 ml	3 ml	9 ml
Syrup BP	1.25 ml	12.5 ml	37.5 ml
Compound Tragacanth Powder BP	100 mg	1 g	3 g
Freshly boiled and cooled purified water	to 5 ml	to 50 ml	to 150 ml

4. Method of preparation

a. Solubility where applicable

There are no soluble solids in this preparation; however, a suspending agent will need to be added as the product will be an indiffusible suspension.

b. Vehicle/diluent

Freshly boiled and cooled purified water is used as the vehicle as no preservative is included in the preparation.

c. Preservative

The product does not contain a preservative.

d. Flavouring when appropriate

Concentrated Peppermint Water BP has been chosen as a flavouring to mask the taste of the suspension.

The following method would be used to prepare 150 ml of suspension using the formula above:

1. Count out 30 clobazam tablets.
2. Weigh 3 g Compound Tragacanth Powder BP using a Class II or electronic balance.
3. Measure 9 ml of Glycerol BP using a 10 ml conical measure.
4. Measure 37.5 ml Syrup BP using a 37 ml measure and a suitably graduated 5 ml syringe.

Tips

As the quantity of suspending agent required was indicated to be 2%, Compound Tragacanth Powder BP was chosen as the suspending agent as this is a suitable quantity to include to produce a reasonable suspension. Tragacanth BP itself is normally used in concentrations of 0.2%; therefore if Tragacanth BP had been used in a 2 % strength, the suspension produced would have been unacceptable and more closely related to a solid dosage form than a liquid dosage form.