

## What is Treosulfan?

Treosulfan is an agent used a part of a conditioning regimen in stem cell transplantation.

## How does it work?

Treosulfan is an alkylating agent. In the body, treosulfan is converted into its active form. The active form interferes with normal function of DNA by forming cross-links between DNA strands, preventing cell replication and leading to the death of the cell

## How is it given?

Treosulfan is given as an intravenous (IV) infusion over 30 minutes.

## Special instructions:

- To limit the toxicity of treosulfan to the liver, you may be prescribed another medication called ursodeoxycholic acid (URSO). URSO will be continued for a period of time during your stem cell transplant.

## Possible Side Effects:

Listed below, but not limited to, are the more commonly experienced side effects that you may see. The side effects your child might experience may be temporary and some may be permanent.

<b>Likely</b> Happens to 21-100 children out of every 100	<b>Less Likely</b> Happens to 5-20 children out of every 100	<b>Rare but serious</b> Happens to <5 children out of every 100
<ul style="list-style-type: none"> <li>Fatigue</li> <li>Loss of appetite</li> <li>Nausea and vomiting</li> <li>Diarrhoea</li> <li>Mouth sores that are painful</li> <li>Low white blood cell count and increased risk of infection</li> <li>Low platelet count and increased risk of bleeding</li> <li>Low red blood cell count and increased need for red cell transfusions</li> </ul>	<ul style="list-style-type: none"> <li>Fever</li> <li>Pain</li> <li>Rash</li> <li>Skin peeling or changes in skin colour in any part of your body</li> <li>Hair loss</li> <li>Abnormal kidney function (may be permanent)</li> <li>Headache</li> </ul>	<ul style="list-style-type: none"> <li>Low blood pressure</li> <li>Increase bilirubin in the blood which can cause jaundice</li> <li>Low blood sugar levels</li> <li>Bleeding and inflammation of the urinary bladder</li> <li>Heart failure or irregular heartbeat</li> <li>Liver failure (may be permanent)</li> <li>Kidney failure (may be permanent)</li> <li>Shortness of breath</li> <li>Lung failure or pneumonia (may be permanent)</li> <li>Damage to the adrenal glands that may affect the hormones that maintain blood pressure and prevent shock in stressful situations<sup>^</sup></li> <li>Severe allergic reaction which can be life threatening with shortness of breath, low blood pressure, rapid heart rate, chills and fever</li> <li>Severe skin reaction</li> <li>Joint problems or arthritis (may be permanent)</li> <li>Seizures*</li> <li>A new cancer or leukaemia resulting from this treatment</li> </ul>
<p>* Reports of seizures have been isolated to infants <math>\leq</math> 4 months of age after combined administration of treosulfan with fludarabine or cyclophosphamide</p>		

# Treosulfan

TREE-oh-SUL-fan

## Patient/Caregiver Information

Treosulfan can increase the risk of premature menopause in females and infertility in males and females.

This information sheet is a brief overview. Each individual can respond differently to the medication, it is vital that you communicate all signs and symptoms you observe to your doctor or nurse.

If you have any questions about the information provided please discuss them with your oncologist or haematologist.

Further information can be obtained from your doctor, nurse or pharmacist or at the following website:  
<http://medsafe.govt.nz/consumers/medicine/where.asp>