

Consumer Medicine Information

This leaflet provides important information about using Dexmedetomidine Medsurge.

You should also speak to your doctor or pharmacist if you would like further information or if you have any concerns or questions about using Dexmedetomidine Medsurge.

Where to find information in this leaflet:

1. **Why am I using Dexmedetomidine Medsurge?**
2. **What should I know before I use Dexmedetomidine Medsurge?**
3. **What if I am taking other medicines?**
4. **How do I use Dexmedetomidine Medsurge?**
5. **What should I know while using Dexmedetomidine Medsurge?**
6. **Are there any side effects?**
7. **Product details**

1. Why am I using Dexmedetomidine Medsurge?

Dexmedetomidine Medsurge contains the active ingredient Dexmedetomidine Hydrochloride.

Dexmedetomidine is a relatively selective alpha₂-adrenoreceptor agonist with a broad range of pharmacologic properties.

ICU Sedation

Dexmedetomidine Medsurge concentrated injection can be used for sedation of initially intubated patients during treatment in an intensive care setting. The use of Dexmedetomidine hydrochloride by continuous infusion in these patients should not exceed 24 hours.

Procedural Sedation

Dexmedetomidine Medsurge concentrated injection can be used for sedation of non-intubated patients prior to and/or during surgical and other procedures.

The sedative actions of dexmedetomidine are believed to be mediated primarily by post-synaptic alpha₂-adrenoreceptors, which in turn act on inhibitory pertussis-toxin-sensitive G protein, thereby increasing conductance through potassium channels.

The site of the sedative effects of dexmedetomidine has been attributed to the locus coeruleus. The analgesic actions are believed to be mediated by a similar mechanism of action at the brain and spinal cord level.