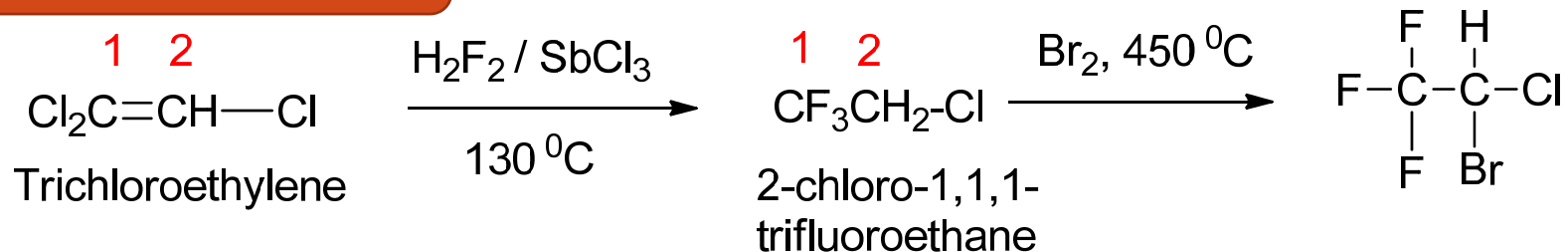


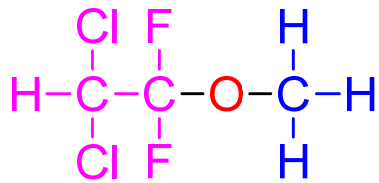
Halothane



MOA: Halothane causes anesthesia due to its actions on multiple **ion channels**, which ultimately **depresses nerve conduction, breathing, cardiac contractility**. Its effects have been attributed to its binding to **potassium channels** in cholinergic neurons. Halothane's effect are also likely due to binding to **NMDA** receptor and **calcium channels**, causing **hyperpolarization**.

Uses: Halothane is a modern and widely used **inhalation anesthetic**. It is used in both short and long-lasting surgical operations. It acts very quickly, which is pleasing to patients, and it is very safe.

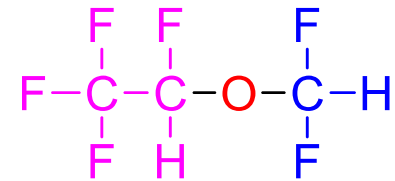
Methoxyflurane



MOA: Similar to enflurane.

Uses: Used for the induction and maintenance of general anaesthesia during surgery and for analgesia during child delivery.

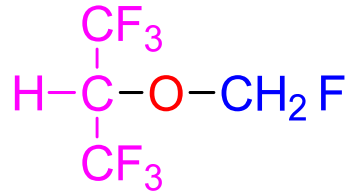
Desflurane



MOA: Similar to enflurane.

Uses: Used for the induction and maintenance of general anaesthesia during surgery and cesarean section and also used for analgesia during child delivery.

Sevoflurane



MOA: Similar to enflurane.

Uses: Used for the induction and maintenance of general anesthesia during surgery and also as analgesia during child delivery.