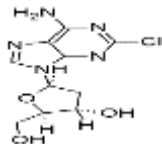


PRODUCT: Cladribine**ALTERNATE NAMES:** 2-Chloro-2'-deoxy-adenosine; NSC105014; RWJ 26251**CATALOG NUMBER:** B2037-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₀H₁₂ClN₅O₃**MOLECULAR WEIGHT:** 285.7**CAS NUMBER:** 4291-63-8**APPEARANCE:** White to off-white solid**SOLUBILITY:** DMSO (~ 10 mg/ml)**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** Cladribine is an adenosine deaminase inhibitor. It is phosphorylated by deoxycytidine kinase, resulting in its intracellular accumulation and inhibition of ribonucleotide reductase. Cladribine displays selective cytotoxicity against both proliferating and non-dividing lymphocytes. Also displays immunosuppressive activity.**REFERENCES:** Sigal, D.S., *et al.* (2010). *Blood* **116**, 2884-2896**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Adenosine deaminase Inhibitor Screening Kit (Colorimetric) (**K993**)Adenosine deaminase Activity Assay Kit (Colorimetric) (**K321**)Adenosine deaminase Activity Assay Kit (Fluorometric) (**K328**)Cladribine (**B2037**)**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**