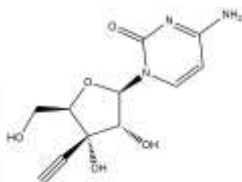


**PRODUCT: Ethynylcytidine****ALTERNATE NAME:** 1-(3-C-Ethynyl-beta-D-ribo-pentofuranosyl)cytosine; TAS-106**CATALOG #:** B1266-5,25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C<sub>11</sub>H<sub>13</sub>N<sub>3</sub>O<sub>5</sub>**MOLECULAR WEIGHT:** 267.24**CAS NUMBER:** 180300-43-0**APPEARANCE:** Crystalline solid**SOLUBILITY:** DMSO**PURITY:** ≥98% by HPLC**STORAGE:** Store at -20°C. Protect from air and light.

**DESCRIPTION:** Ethynylcytidine is a synthetic cytidine nucleoside containing a covalently bound ethynyl group with potential antineoplastic and radiosensitizing activities. Ethynylcytidine is metabolized in tumor cells to ethynylcytidine triphosphate (ECTP), which inhibits RNA synthesis by competitive inhibition of RNA polymerases I, II and III; subsequently, RNase L is activated, resulting in apoptosis.

**REFERENCES:** Hammond-Thelin, L.A., *et al.* (2012). *Invest. New Drugs* **30**, 316-326.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**Cytochlor (**Cat. No. 2833-5,25**)DiscoveryPak™ Gemcitabine-THU Set (**Cat. No. K841-2**)Gemcitabine (**Cat. No. 1759-25, 100**)Tetrahydrouridine (**Cat. No. 1671-10, 25**)EZSolution™ Tetrahydrouridine (**Cat. No. 2355-25**)**USAGE:** *FOR RESEARCH CH USE ONLY! Not to be used in humans*