

Cytarabine

货号: C9369

储存条件: 粉末-20°C可保存3年; 液体-80°C可保存12月。

产品描述

Cytarabine (Ara-C) is an antineoplastic and antileukemic agent in current clinical treatment. Cytarabine belongs to a class of nucleoside-analogue antimetabolite, which can enter into cells and be phosphorylated by deoxynucleoside salvage pathway and produce their activity by being incorporated into DNA during replication or repair, leading to inhibition of chain extension. Cytarabine, combined with other drugs, is mainly used in the treatment for acute lymphoblastic leukemia (ALL), acute myeloid leukemia (AML) and chronic myelogenous leukemia (CML) (see <https://www.fda.gov/>), also can be used in treatment for other cancer. Cytarabine can inhibit DNA synthesis mainly through being incorporated into cellular DNA by both repair and replication synthesis. Cytarabine can induce apoptosis, S phase arrest, as well as cell growth inhibition. Cytarabine is usually used in long-term neuron culture to reduce glial cells and enhance neurons for its mitotic inhibition.

作用机制

Cytarabine, as nucleoside analogue, can inhibit DNA synthesis mainly through being incorporated into cellular DNA by both repair and replication synthesis.

产品信息

CAS号	147-94-4	
分子式	C9H13N3O5	
分子量	243.22	
别名	Cytosine β-D-arabinofuranoside; Cytosine Arabinoside; Cytosine beta-D-arabinofuranoside	
溶解度	DMSO	1.0 mg/mL (4.1 mM)
	Ethanol	Insoluble

