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Product Datasheet

Cytarabine, CAS [[147-94-4]]

FBM-10-1268

Article Name	Cytarabine, CAS [[147-94-4]]
Biozol Catalog Number	FBM-10-1268
Supplier Catalog Number	10-1268
Alternative Catalog Number	FBM-10-1268-500MG, FBM-10-1268-2G
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	DNA synthesis and transcription disruptor...
Molecular Weight	243.22
Purity	98% by HPLC NMR (Conforms)
Form	White or off-white solid
CAS Number	[147-94-4]
Formula	C9H13N3O5
Application Notes	A nucleoside analog that interferes with DNA synthesis and transcription, particularly in tumor cells. ^{1,2} It cellular enzymes convert it to its nucleotide form, Ara-CTP, which disrupts DNA and RNA synthesis when polymerases attempt to incorporate it. ^{3,4} For the same reasons, it is also employed as an antiviral. ⁵ It inhibits proliferation of a variety of leukemic cell lines (IC50s 16-72 nM), but is used primarily against acute myeloid leukemia (AML). ^{6,7}