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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	C <sub>9</sub> H <sub>13</sub> N <sub>3</sub> O <sub>5</sub>
Application Notes	A nucleoside analog that interferes with DNA synthesis and transcription, particularly in tumor cells. <sup>1,2</sup> It Cellular enzymes convert it to its nucleotide form, Ara-CTP, which disrupts DNA and RNA synthesis when polymerases attempt to incorporate it. <sup>3,4</sup> For the same reasons, it is also employed as an antiviral. <sup>5</sup> It inhibits proliferation of a variety of leukemic cell lines (IC <sub>50</sub> s 16-72 nM), but is used primarily against acute myeloid leukemia (AML). <sup>6,7</sup>