

5-Aza-2'-deoxycytidine

Technical literature is available at: www.mesgenbio.com. E-mail MesGen Technical Services if you have questions on use of this system: tech@mesgenbio.com

MESGEN
INNOVATION BIOTECHNOLOGY

Catalog Number : MP34690

Packaging Size : 100mg 1g

CAS : 2353-33-5

Purity ≥ 99.5%

MW=228.21

• MF= C8H12N4O4

Description

Decitabine is an epigenetic modifier that inhibits DNA methyltransferase activity which results in DNA demethylation (hypomethylation) and gene activation by remodeling "opening" chromatin. Genes are synergistically reactivated when demethylation is combined with histone hyperacetylation. 5'-Azadeoxycytidine causes DNA demethylation or hemi-demethylation. DNA demethylation can regulate gene expression by "opening" the chromatin structure detectable as increased nuclease sensitivity. This remodeling of chromatin structure allows transcription factors to bind to the promoter regions, assembly of the transcription complex, and gene expression.

Solubility

Acetic acid: water (1:1): soluble 50 mg/mL

Storage

Store at 2-8°C. Store in the dark.

For Research Use Only. Not For Use In Diagnostic Procedures.