5-Aza-2′-deoxycytidine

DNA methyltransferase inhibitor

Inhibitor of DNA methyltransferase. Restores mRNA and protein expression of caspase-8 and TRAIL (tumor necrosis factor-related apoptosis inducing ligand) sensitivity of resistant cell lines. Enhances apoptosis induced by HDAC (histone deacetylase) inhibitors. Reverses embryonic stem cell differentiation by demethylating differentiation-related genes.

Citations: 8 View Online »

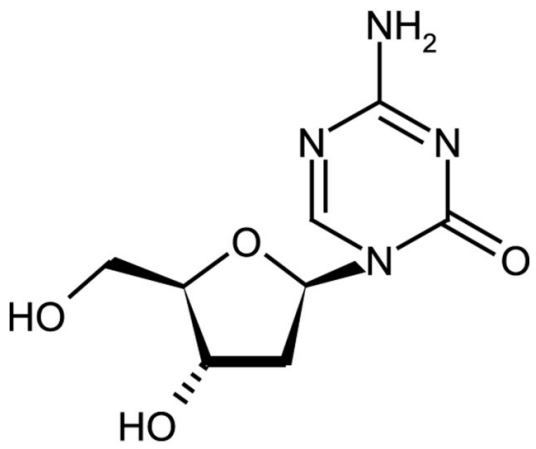
Ordering Information

Order Online »

ALX-480-096-M005	5mg

Manuals, SDS & CofA

View Online »


NH2
N
N
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N
O
HO
HO

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Handling	Packaged under inert gas. After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	+4°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	5-Aza-CdR, 5-Aza-dC, 5-Deoxy-2′-azacytidine
Appearance	White to off-white lyophilized solid.
CAS	2353-33-5
Couple Target	DNA methyltransferase
Couple Type	Inhibitor
Formula	$C_8H_{12}N_4O_4$
MW	228.2
Purity	≥98% (HPLC)
RTECS	XZ3012000
Solubility	25mg/ml soluble in DMSO or 50% acetic acid; 1mg/ml soluble in methanol. (Warming may be required to achieve complete solubilization.)

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