Mithramycin A

Transcription inhibitor

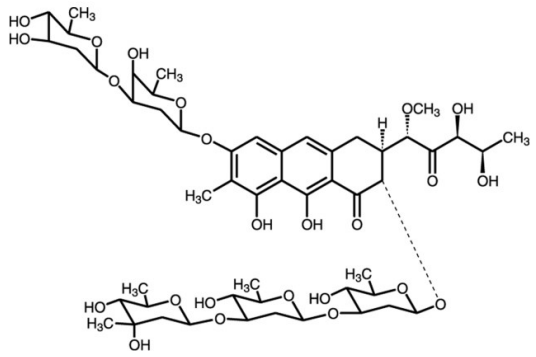
Mithramycin noncovalently interacts with G-C-rich duplex DNA in the presence of Mg^{2+} or Zn^{2+}. It induces differentiation of leukemic cells accompanied by an early decrease in c-myc expression. It selectively inhibits collagen-1 gene expression in human fibroblasts.

Citations: 13 View Online »

Ordering Information Order Online »

BML-GR305-0001	1mg

Manuals, SDS & CofA View Online »


HO
CH3
HO
O
OH
CH3
O
O
H
OCH3
OH
CH3
O
OH
H3C
OH
OH
O
H3C
HO
O
H3C
HO
O
H3C
HO
O
O
O
H3C
OH

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 3 months.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Plicamycin
Appearance	Yellow solid.
CAS	18378-89-7
Formula	$C_{52}H_{76}O_{24}$
MI	**14:** 7536
MW	1085.1
Purity	≥95% (HPLC, TLC)
Solubility	Soluble in phosphate buffered saline (1mg/ml), 100% ethanol, DMSO or methanol
Source	Isolated from *Streptomyces argillaceus*

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