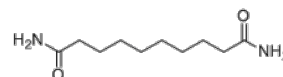


Product Name : Hexamethylene bisacetamide
Cat. No. : PC-61330
CAS No. : 3073-59-4
Molecular Formula : C₁₀H₂₀N₂O₂
Molecular Weight : 200.28
Target : Bromodomain
Solubility : 10 mM in DMSO



Biological Activity

Hexamethylene bisacetamide (HMBA, NSC 95580) is a cell differentiation inducer that inhibits activation of NF-κB function, Akt and ERK/MAPK cascade.

Hexamethylene bisacetamide causes MEL cell differentiation by acting as a selective **BD2 (bromodomain 2)** inhibitor, kills Myc-induced lymphoma cells in vitro and in vivo.

Hexamethylene bisacetamide also is a small molecule inducer of HEXIM1 expression, inhibits the metastasis of breast cancer to lung in PyMT mice.

References

Ketchart W, et al. *Oncogene*. 2013 Aug 15;32(33):3829-39.

Nilsson LM, et al. *Cancer Res*. 2016 Apr 15;76(8):2376-83.

Dey A, et al. *Cell Cycle*. 2008 Dec;7(23):3759-67.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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