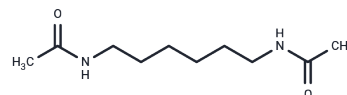


Hexamethylene bisacetamide

Chemical Properties

CAS No. : 3073-59-4
Formula: C₁₀H₂₀N₂O₂
Molecular Weight: 200.28
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Hexamethylene bisacetamide inhibits BET Bromodomain Proteins.
Targets(IC50)	Epigenetic Reader Domain
In vitro	As expected of a BET inhibitor, HMBA displaced BET proteins from chromatin, caused massive transcriptional changes, and triggered cell-cycle arrest and apoptosis in Myc-induced B-cell lymphoma cells. Furthermore, HMBA exerted anticancer effects in vivo in mouse models of Myc-driven B-cell lymphoma[1].

Solubility Information

Solubility	DMSO: 25 mg/mL (124.82 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.993 mL	24.965 mL	49.9301 mL
5 mM	0.9986 mL	4.993 mL	9.986 mL
10 mM	0.4993 mL	2.4965 mL	4.993 mL
50 mM	0.0999 mL	0.4993 mL	0.9986 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Wu Y, Sun A, Yang Q, et al. An alpha-herpesvirus employs host HEXIM1 to promote viral transcription. Journal of Virology. 2024: e01392-23.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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