

Resource Summary Report

Generated by [FDI Lab - SciCrunch.org](#) on Apr 19, 2025

MOLM-14

RRID:CVCL_7916

Type: Cell Line

Proper Citation

(RRID:CVCL_7916)

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_7916

Proper Citation: (RRID:CVCL_7916)

Sex: Male

Defining Citation: [PMID:9305600](#), [PMID:12529668](#), [PMID:21552520](#)

Comments: Omics: H3K79me1 ChIP-seq epigenome analysis., Omics: Deep quantitative phosphoproteome analysis., Population: Japanese., Part of: Cancer Dependency Map project (DepMap) (includes Cancer Cell Line Encyclopedia - CCLE).

Category: Cancer cell line

Name: MOLM-14

Synonyms: Molm-14, Molm 14, Molm14, MOLM14

Cross References: BTO:BTO_0005720, EFO:EFO_0022446, Cell_Model_Passport:SIDM00436, ChEMBL-Cells:ChEMBL3706571, ChEMBL-Targets:ChEMBL3706570, Cosmic:787418, Cosmic:1150898, Cosmic:1281333, DepMap:ACH-001574, DSMZ:ACC-777, DSMZCellDive:ACC-777, GEO:GSM2037134, GEO:GSM2037135, GEO:GSM3145724, JCRB:JCRB1812, Lonza:978, PubChem_Cell_line:CVCL_7916, Wikidata:Q54906323

ID: CVCL_7916

Record Creation Time: 20250131T201417+0000

Record Last Update: 20250131T203035+0000

Ratings and Alerts

No rating or validation information has been found for MOLM-14.

No alerts have been found for MOLM-14.

Data and Source Information

Source: [Cellosaurus](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Zhu J, et al. (2024) The AXL inhibitor bemcentinib overcomes microenvironment-mediated resistance to pioglitazone in acute myeloid leukemia. The FEBS journal.

Lee JK, et al. (2024) Pim Kinase Inhibitors Increase Gilteritinib Cytotoxicity in FLT3-ITD Acute Myeloid Leukemia Through GSK-3 γ Activation and c-Myc and Mcl-1 Proteasomal Degradation. Cancer research communications, 4(2), 431.

Coleman DJL, et al. (2024) Pharmacological inhibition of RAS overcomes FLT3 inhibitor resistance in FLT3-ITD+ AML through AP-1 and RUNX1. iScience, 27(4), 109576.

Hlavaty SI, et al. (2024) ACSS1-dependent acetate utilization rewires mitochondrial metabolism to support AML and melanoma tumor growth and metastasis. Cell reports, 43(12), 114988.

Nguyen TD, et al. (2023) Use of Payload Binding Selectivity Enhancers to Improve Therapeutic Index of Maytansinoid-Antibody-Drug Conjugates. Molecular cancer therapeutics, 22(11), 1332.

Park SM, et al. (2023) Dual IKZF2 and CK1 γ degrader targets acute myeloid leukemia cells. Cancer cell, 41(4), 726.

Popescu B, et al. (2023) Allosteric SHP2 inhibition increases apoptotic dependency on BCL2 and synergizes with venetoclax in FLT3- and KIT-mutant AML. Cell reports. Medicine, 4(11), 101290.

Maru B, et al. (2023) PARP-1 improves leukemia outcomes by inducing parthanatos during chemotherapy. Cell reports. Medicine, 4(9), 101191.

Chen EC, et al. (2023) Targeting MET and FGFR in Relapsed or Refractory Acute Myeloid Leukemia: Preclinical and Clinical Findings, and Signal Transduction Correlates. Clinical cancer research : an official journal of the American Association for Cancer Research, 29(5),

Galán-Díez M, et al. (2022) Subversion of Serotonin Receptor Signaling in Osteoblasts by Kynurenine Drives Acute Myeloid Leukemia. *Cancer discovery*, 12(4), 1106.

Hernández-Malmierca P, et al. (2022) Antigen presentation safeguards the integrity of the hematopoietic stem cell pool. *Cell stem cell*, 29(5), 760.

Young DJ, et al. (2021) A method for overcoming plasma protein inhibition of tyrosine kinase inhibitors. *Blood cancer discovery*, 2(5), 532.

Di Marcantonio D, et al. (2021) ATF3 coordinates serine and nucleotide metabolism to drive cell cycle progression in acute myeloid leukemia. *Molecular cell*, 81(13), 2752.

Wang YP, et al. (2021) Malic enzyme 2 connects the Krebs cycle intermediate fumarate to mitochondrial biogenesis. *Cell metabolism*, 33(5), 1027.

Riedel SS, et al. (2021) Intrinsically disordered Meningioma-1 stabilizes the BAF complex to cause AML. *Molecular cell*, 81(11), 2332.

Bhatt S, et al. (2020) Reduced Mitochondrial Apoptotic Priming Drives Resistance to BH3 Mimetics in Acute Myeloid Leukemia. *Cancer cell*, 38(6), 872.

Javidi-Sharifi N, et al. (2019) FGF2-FGFR1 signaling regulates release of Leukemia-Protective exosomes from bone marrow stromal cells. *eLife*, 8.

Huang HT, et al. (2018) A Chemoproteomic Approach to Query the Degradable Kinome Using a Multi-kinase Degradator. *Cell chemical biology*, 25(1), 88.

Reyna DE, et al. (2017) Direct Activation of BAX by BTSA1 Overcomes Apoptosis Resistance in Acute Myeloid Leukemia. *Cancer cell*, 32(4), 490.