

MINO | 305513

MINO

Description	MINO is a small molecule inhibitor of the MCL1 protein, which is a member of the BCL2 family of proteins. It is used to study the role of MCL1 in cancer cells. MINO is a potent and selective inhibitor of MCL1, with an IC50 of 147 nM. It is used to study the role of MCL1 in cancer cells. MINO is a potent and selective inhibitor of MCL1, with an IC50 of 147 nM. It is used to study the role of MCL1 in cancer cells.
Organism	Human
Tissue	Human
Disease	Human
Synonyms	MINO

MINO

Age	68 years
Gender	Male
Ethnicity	European
Morphology	Normal
Cell type	Human
Growth properties	Human

MINO

Citation	MINO (Cytion 305513)
Biosafety level	1
NCBI_TaxID	9606

MINO | 305513

CellosaurusAccession CVCL_1872

NCBI Taxonomy ID: 10643

Mutational profile

CDKN2A, p.Glu88Lys (c.262G>A), NRAS, p.Gly13Asp (c.38G>A), p.Val147Glu

NCBI Taxonomy ID: 10643

Culture Medium

RPMI 1640, w: 2.0 mM NaH_2PO_4 , w: 2.0 g/L NaHCO_3 (Cytion 820700a)

Supplements

10% FBS

Seeding density

1×10^6 cells/ cm^2

Freeze medium

10% FBS + 10% DMSO

Thawing and Culturing Cells

1. Thaw cells rapidly in a water bath at 37°C.
2. Centrifuge cells at 300 x g for 3 minutes.
3. Resuspend cells in 10 mL of complete medium.
4. Seed cells into a T25 flask at a density of 1×10^6 cells/ cm^2 .
5. Incubate cells in a humidified incubator at 37°C with 5% CO_2 .
6. Monitor cell growth and confluency.
7. Pass cells when they reach 70-80% confluency.
8. Split cells into new flasks using trypsin.

Incubation Atmosphere

37°C, 5% CO_2

MINO | 305513

Flask Coating

Fluoropolymer

Freezing Procedure

For freezing, the cells should be seeded into the flask and allowed to attach. The medium should be removed and the cells washed with PBS. The cells should then be resuspended in freezing medium and frozen at -78°C.

Shipping Conditions

The cells should be shipped on dry ice at -78°C.

Storage Conditions

The cells should be stored at -150 to -196 °C in liquid nitrogen.

Applications

Sterility

The cells are supplied as a suspension in DMEM/F12 medium. The medium is supplemented with 10% FBS. The cells are PCR negative. The cells are free of mycoplasma contamination.