

Ready-to-use Apoptosis Inducers (Set of 5)

Cat. No. GTX47933

Applications

Cell Culture, Control

Package

1 kit

PRODUCT

The set contains 5 ready-to-use small molecule reagents that induce apoptosis through different mechanisms. Actinomycin D, an antineoplastic antibiotic, inhibits RNA synthesis. Camptothecin, an inhibitor of nuclear topoisomerase, induces apoptosis in many types of cells. Cycloheximide, an active antibiotic against many yeast and fungi, inhibits protein synthesis. Dexamethasone, an active and highly stable glucocorticoid, probably induces apoptosis by binding and activating the intracellular glucocorticoid receptor. Etoposide, a derivative of podophyllotoxin, inhibits topoisomerase activity.

Kit components (All 1000X):

- Actinomycin D (10 mM)
- Camptothecin (2 mM)
- Cycloheximide (100 mM)
- Dexamethasone (10 mM)
- Etoposide (100 mM)

Summary

Features & Benefits:

- Contains all 5 ready-to-use apoptosis inducers above in a kit format

Applications

Application Note

We recommend using 1000X dilutions for inducing apoptosis in Jurkat cells (e.g., Add 1 uL to 1 ml of culture medium). However, the optimal doses may vary for different cells and culture conditions.

Properties

Form	Liquid
Buffer	DMSO
Preservative	No preservatives
Storage	Store at -20°C. Protect from light and moisture.



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Note

For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption.

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.



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