

PRODUCT:

Deoxyribonucleic Acid, Sodium Salt, Ex Salmon Testes

ALTERNATE NAMES:

DNA; ds DNA; ds-DNA; Deoxyribonucleic acid; [5-amino-2-[[[5-amino-2-(hydroxymethyl)oxolan-3-yl]oxy-hydroxyphosphoryl]oxymethyl]oxolan-3-yl] (5-amino-3-hydroxyoxolan-2-yl)methyl hydrogen phosphate

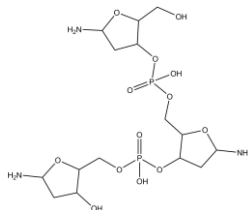
CATALOG#:

B1677-250, -1, -5, -10

AMOUNT:

250 mg, 1 g, 5 g, 10 g

STRUCTURE:



MOLECULAR FORMULA:

C₁₅H₃₁N₃O₁₃P₂

MOLECULAR WEIGHT:

523.4

CAS NUMBER:

9007-49-2

APPEARANCE:

Off-white to light brown

SOLUBILITY:

Water

PURITY:

>98%

STORAGE:

Dry, dark and at 4°C for short term (days to weeks) or at -20°C for long term.

DESCRIPTION:

Deoxyribonucleic acid (DNA) is a long double-helical molecule containing genetic information. DNA is a double-stranded (ds) molecule. Each strand is composed of an ordered combination of four nucleotides, each nucleotide consisting of a purine or pyrimidine base (adenine, guanine, thymine, or cytosine) and linked by phosphodiester bonds. Sperm cells from salmon testes are a good source for non-mammalian DNA. It is used as blocking agent to reduce the background in nucleic acid hybridization techniques.

HANDLING:

Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- BIX 01294 (Cat. No. 1678-5, 25)
- L-67 (Cat. No. 9633)
- RG 108 (Cat. No. 1679-10, 30)
- SCR-7 (Cat. No. 9409)
- T4 DNA Ligase (Cat. No. 9101)
- Trichostatin A (Cat. No. 1606-1)

USAGE:

FOR RESEARCH USE ONLY! Not to be used in humans