

Deoxypseudouridine

Catalog No: tcsc7717



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg



Specifications

CAS No:

39967-60-7

Formula:

$C_9H_{12}N_2O_5$

Pathway:

Cell Cycle/DNA Damage

Target:

Nucleoside Antimetabolite/Analog

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 37 mg/mL (162.14 mM)

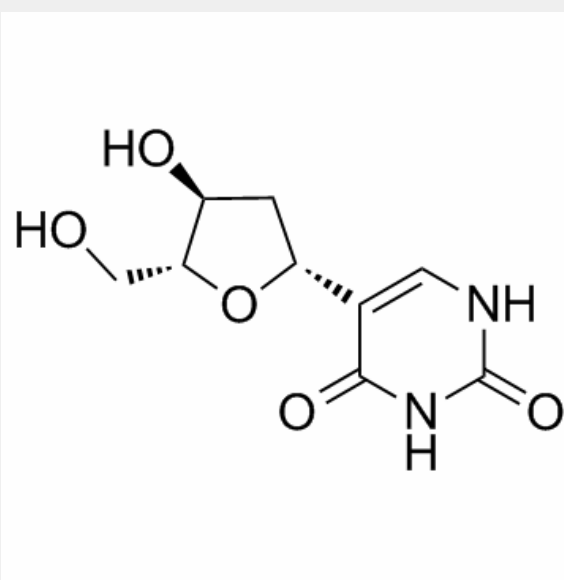
Observed Molecular Weight:

228.2

Product Description

Deoxypseudouridine is a nucleotide analog.

In Vitro: Deoxypseudouridine is a nucleotide analog. Ethidium bromide staining of the gel demonstrates that the digestion of carrier DNA in both control and analog DNA samples (including Deoxypseudouridine) occur to the same extent; this indicates that the restriction enzyme is as active in the presence of the modified DNA substrate (including Deoxypseudouridine) as it is in the presence of unmodified (control) DNA. Enzymes that do not contain an AT base pair in their recognition sequence, restrict DNAs substituted with either deoxypseudouridine or deoxytubercidin as efficiently as control^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!