

2'-Deoxypseudoisocytidine

Catalog No: tcsc7719



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

65358-18-1

Formula:

$C_9H_{13}N_3O_4$

Pathway:

Cell Cycle/DNA Damage

Target:

Nucleoside Antimetabolite/Analog

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 106.5 mg/mL (468.71 mM)

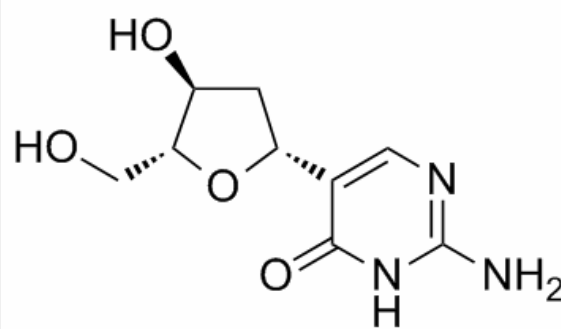
Observed Molecular Weight:

227.22

Product Description

2'-Deoxypseudoisocytidine is a nucleoside analogue.

In Vitro: 2'-Deoxypseudoisocytidine is a modified base which can be used as a allele-specific blocker probe to discriminate sequence variation between different alleles and quantitate rare (e.g., mutant) allelic variants, such as SNPs, or nucleotide (NT) insertions or deletions, in samples comprising abundant allelic variants with high specificity and selectivity^[1]. 2'-Deoxypseudoisocytidine (2'-d-PIC) and its analogues are also used as novel base-pairing agents in oligonucleotides to investigate DNA and RNA structures and functions^[2].



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