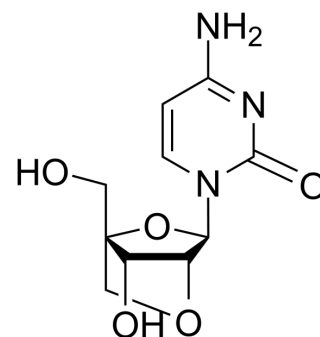


2'-O,4'-C-Methylenecytidine

Cat. No.:	HY-W570888
CAS No.:	206055-69-8
Molecular Formula:	C ₁₀ H ₁₃ N ₃ O ₅
Molecular Weight:	255.23
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description

2'-O,4'-C-Methylenecytidine (LNA-C(Bz)) is a bicyclic nucleoside analogue with fixed N-type conformation. 2'-O,4'-C-Methylenecytidine can be used to synthesize oligonucleotides. 2'-O,4'-C-Methylenecytidine forms duplexes with complementary DNA and RNA strands^{[1][2]}.

REFERENCES

[1]. bicyclic nucleoside analogue, N-type conformation, synthesize oligonucleotides, duplexes

[2]. Obika S, et, al. Stability and structural features of the duplexes containing nucleoside analogues with a fixed N-type conformation, 2'-O,4'-C-methylenecytidines. Tetrahedron Letters. 1998 Jul 23; 39(30):5401-04.

Caution: Product has not been fully validated for medical applications. For research use only.

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