

Product Specifications

Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2'-5' linked Oligos

SH

Oligo Modifications

For research use only. Not for use in diagnostic procedures for clinical purposes.

Thio-4-dT (S4dT)

Category	Structural Studies	N CH ₃
3 ,	on dotardi otadioo	
Modification Code	S4dT	5' Oligowwo-o
Reference Catalog Number	26-6538	0=0
5 Prime	Υ	HO 4-Thio dT (s4dT)
3 Prime	Υ	[26-6538]
Internal	Υ	o o
Molecular Weight(mw)	320.26	O=p−O
		ÓН

4-Thio-dT is a very useful modification which can be used for photo crosslinking and photo affinity labeling experiments. Similarly, oligos containing 2-thio-dT are useful in examining protein DNA interaction by acting as photolabile probes. The thiocarbonyl group in 2-thio-dT is especially interesting in that it is available to react with compounds associating with the minor groove of DNA

