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## Antisense Oligonucleotides (CUI C4018803)

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### Terms & Properties

**Concept Unique Identifier (CUI):** C4018803

**NCI Thesaurus Code:** C1291 ([see NCI Thesaurus info](#))

**Semantic Type:** Pharmacologic Substance

**Semantic Type:** Nucleic Acid, Nucleoside, or Nucleotide

**Semantic Type:** Biologically Active Substance

**Semantic Type:** Indicator, Reagent, or Diagnostic Aid

**NCIt Definition:** Antisense Oligonucleotides, short synthetic segments of DNA or RNA, designed with a sequence complimentary to a specific mRNA that target and bind with mRNA, causing inhibition of translation or overexpression of the protein encoded by the mRNA.

**NCI-GLOSS Definition:** Small pieces of DNA or RNA that can bind to specific molecules of RNA. This blocks the ability of the RNA to make a protein or work in other ways. Antisense agents may be used to block the production of proteins needed for cell growth. They are being studied in the treatment of several types of cancer.

**MSH Definition:** Short fragments of DNA or RNA that are used to alter the function of target RNAs or DNAs to which they hybridize.

**Synonyms & Abbreviations:** ([see Synonym Details](#))

- Anti Sense Oligonucleotides
- Anti-Sense Oligonucleotides
- Anti-sense Oligonucleotide
- Antisense Agents
- antisense agent
- Antisense oligonucleotide (substance)
- Antisense Oligonucleotide [EPC]
- Antisense Oligonucleotides
- antisense oligonucleotide
- AS ODNs
- Gene Expression Inhibitor
- Oligonucleotides, Anti-Sense
- Oligonucleotides, Antisense [Chemical/Ingredient]
- Oligonucleotides, Antisense

**External Source Codes:**

NCI Thesaurus Code	C1291 ( <a href="#">see NCI Thesaurus info</a> )
PDQ Closed Trial Search ID	41871
PDQ Open Trial Search ID	41871 ( <a href="#">check for NCI PDQ open clinical trial info</a> )

**Other Properties:**

Name	Value	Source
ACTIVE	1	SNOMEDCT_US
AN	coord IM with THIONUCLEOTIDES (IM or NIM if pertinent)	MSH
AQL	AD AE AG AI AN BI BL CF CH CL CS CT DE EC GE HI IM IP ME PD PK PO RE SD SE ST TO TU UL UR	MSH
CASE_SIGNIFICANCE_ID	900000000000448009	SNOMEDCT_US
CONCEPT_TYPE	EPC	MED-RT
CTV3ID	XUvS7	SNOMEDCT_US
DC	1	MSH
DEFINITION_STATUS_ID	900000000000074008	SNOMEDCT_US
DID	2101-9000	CSP
DID	2111-7605	CSP
DX	19910101	MSH
EFFECTIVE_TIME	20170731	SNOMEDCT_US

FX	D060172	MSH
HN	91	MSH
MDA	19900529	MSH
MESH_DEFINITION	Short fragments of DNA or RNA that are used to alter the function of target RNAs or DNAs to which they hybridize.	NDFRT
MESH_DUI	D016376	NDFRT
MESH_NAME	Oligonucleotides, Antisense	NDFRT
MESH_UI	M0025055	NDFRT
MMR	20110624	MSH
MN	D13.150.480	MSH
MN	D13.444.600.150.640	MSH
MN	D13.695.578.424.480	MSH
MN	D27.720.470.530.600.150.640	MSH
NDFRT_KIND	DRUG_KIND	NDFRT
NDFRT_KIND	INGREDIENT_KIND	NDFRT
NUI	N0000011392	NDFRT
NUI	N0000191626	NDFRT
PM	91	MSH
RN	0	MSH
RXAUI	3109672	RXNORM
RXAUI	3110621	RXNORM
RXAUI	3210037	RXNORM
RXAUI	3210038	RXNORM
RXAUI	7257714	RXNORM
RXAUI	7257715	RXNORM
RXAUI	7257716	RXNORM
RXCUI	1660775	RXNORM
RXCUI	40176	RXNORM
SNOMED_PARENT	23243007	NDFRT
SUBSET_MEMBER	900000000000497000~MAPTARGET~XUvS7	SNOMEDCT_US
SUBSET_MEMBER	900000000000508004~ACCEPTABILITYID~900000000000548007	SNOMEDCT_US
SUBSET_MEMBER	900000000000509007~ACCEPTABILITYID~900000000000548007	SNOMEDCT_US
TERM_STATUS	A	MED-RT
TERMUI	T048942	MSH
TERMUI	T048943	MSH
TERMUI	T048944	MSH
TH	NLM (1991)	MSH
TH	NLM (1994)	MSH
TYPE_ID	90000000000003001	SNOMEDCT_US
TYPE_ID	90000000000013009	SNOMEDCT_US

**Additional Concept Data:** *(none)*

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