

Title (en)
CHARGE-MODIFIED NUCLEIC ACID TERMINATORS

Title (de)
LADUNGSMODIFIZIERTE NUKLEINSÄURE-TERMINATOREN

Title (fr)
TERMINATEURS D'ACIDES NUCLEIQUES A CHARGE MODIFIEE

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Abstract (en)
[origin: WO0119841A1] Charge-modified nucleic acid terminators comprising structure (I): Z-X-S-B-L wherein Z is mono-, di- or triphosphate or thiophosphate, or corresponding boranophosphate; X is O, CH₂, S, or NH; S is a sugar or a sugar analogue; B is a naturally occurring or a synthetic base; L is alkyl, alkenyl, or alkynyl and is optionally substituted with a reporter moiety; and L, B, S, X, or Z are substituted with a moiety which imparts a net negative charge or a net positive charge to structure (I) at physiological or nucleic acid sequencing conditions. A method of sequencing nucleic acids using the above charge-modified terminators, as well as a method of inhibiting a virus which comprises contacting a cell infected with a virus with a virus-inhibiting amount of the above charge-modified terminator are also disclosed.

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