

Title (en)

FUNCTIONALIZED 3-ALKYNYL PYRAZOLOPYRIMIDINE ANALOGUES AS UNIVERSAL BASES AND METHODS OF USE

Title (de)

FUNKTIONALISIERTE 3-ALKYNYL-PYRAZOLOPYRIMIDIN-ANALOGA ALS UNIVERSELLE BASEN UND VERFAHREN ZUR VERWENDUNG

Title (fr)

ANALOGUES DE 3-ALCYNYL PYRAZOLOPYRIMIDINES FONCTIONNALISÉS UTILISÉS EN TANT QUE BASES UNIVERSELLES ET PROCÉDÉS D'UTILISATION

Publication

EP 2971086 A1 20160120 (EN)

Application

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Abstract (en)

[origin: WO2014159063A1] 3-alkynyl inosine analogs and their uses as universal bases are provided. The inosine analogues can be incorporated into nucleic acid primers and probes. They do not significantly destabilize nucleic acid duplexes. As a result, the novel nucleic acid primers and probes incorporating the inosine analogues can be used in a variety of methods. The analogs function unexpectedly well as universal bases. Not only do they stabilize duplexes substantially more than hypoxanthine opposite A, C, T, and G but they are also recognized in primers by polymerases, allowing efficient amplification.

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CPC (source: EP)

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