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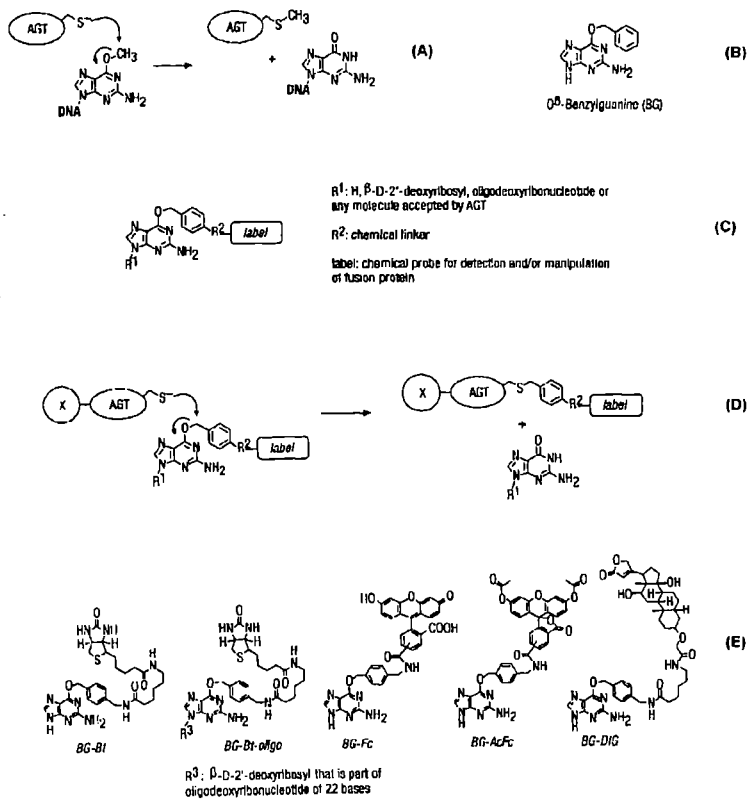
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(54) Title: METHODS USING O^6-ALKYLGUANINE-DNA ALKYLTRANSFERASES



(57) Abstract: A method using O^6-alkylguanine-DNA alkyltransferases (AGT) is disclosed for transferring a label from a substrate to a fusion protein comprising the AGT. This allows the detection and/or manipulating of the fusion protein, both *in vitro* and *in vivo*, by attaching molecules to the fusion proteins that introduce a new physical or chemical property to the fusion protein. Examples of such molecules are, among others, spectroscopic probes or reporter molecules, affinity tags, molecules generating reactive radicals, cross-linkers, ligands mediating protein-protein interactions or molecules suitable for the immobilisation of the fusion protein.

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