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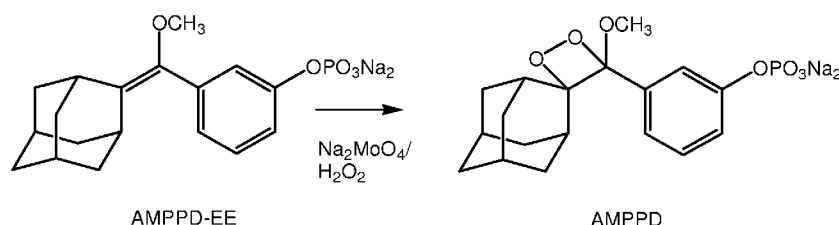
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(54) **Title**: IN SITU CHEMILUMINESCENT SUBSTRATES AND ASSAYS

**FIG. 1**

(57) **Abstract**: Methods for generating a chemiluminescent enzyme substrate in situ, in aqueous or other assay conditions. Also disclosed are methods to use the substrates to generate light, detect and/or quantify enzymes, antigens, and/or nucleic acids. Kits relating to these methods are also disclosed.