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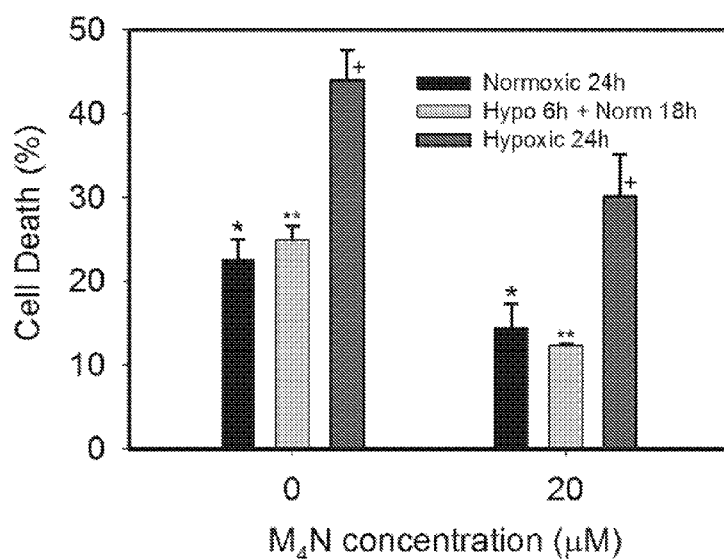
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(54) **Title:** METHODS FOR INHIBITION OF BNIP3 AND PREVENTION AND TREATMENT OF ISCHEMIA REPERFUSION INJURY BY TETRA-O-METHYL NORDIHYDROGUAIARETIC ACID

FIGURE 2



(57) **Abstract:** Provided herein are methods for prevention and treatment of ischemia-reperfusion (IR) injury in the cardiac myocytes of a subject, by administration to the subject, a compound of formula I, or a salt, solvate, or stereoisomer thereof, in a sufficient amount either prior to, or during and/or after an ischemic event to mitigate or prevent IR injury to the cardiac tissue. Pharmaceutical compositions including the compound of formula I, or a salt, solvate, or stereoisomer thereof, and/or at least one additional therapeutic agent, are also provided.