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(54) Title: GLYCINE, MITOCHONDRIAL ONE-CARBON METABOLISM, AND CANCER

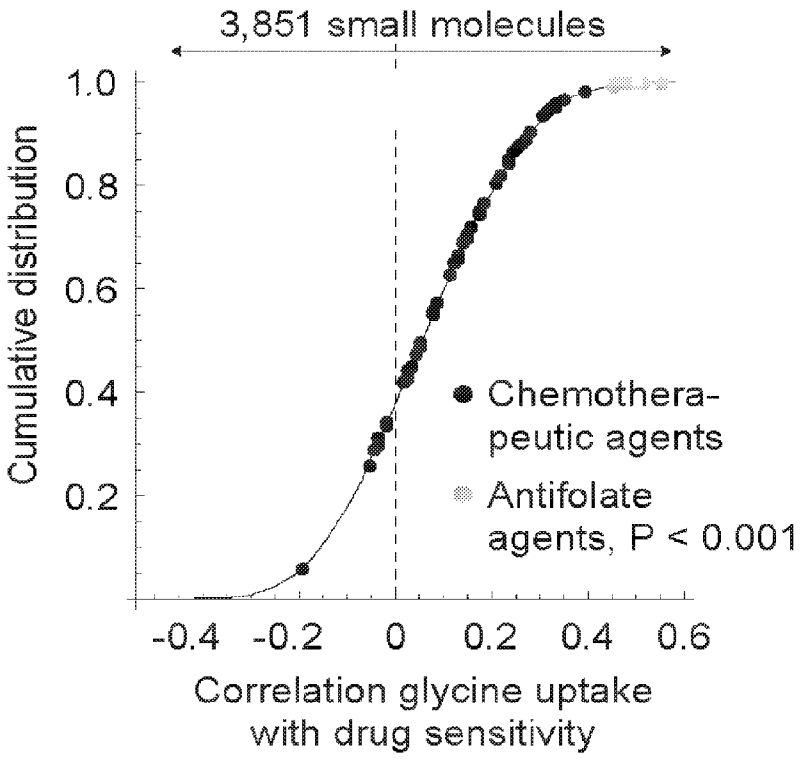

FIG. 3

(57) Abstract: Methods of treatment, diagnosis, and determining prognosis of subjects with cancer, generally comprising determining levels of glycine metabolism or a mitochondrial 1-carbon (1-C) pathway enzyme, e.g., SHMT2, MTHFD1L, or MTHFD2, and optionally administering an antifolate or an agent that inhibits a mitochondrial 1-carbon (1-C) pathway enzyme, e.g., SHMT2 or MTHFD2.

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