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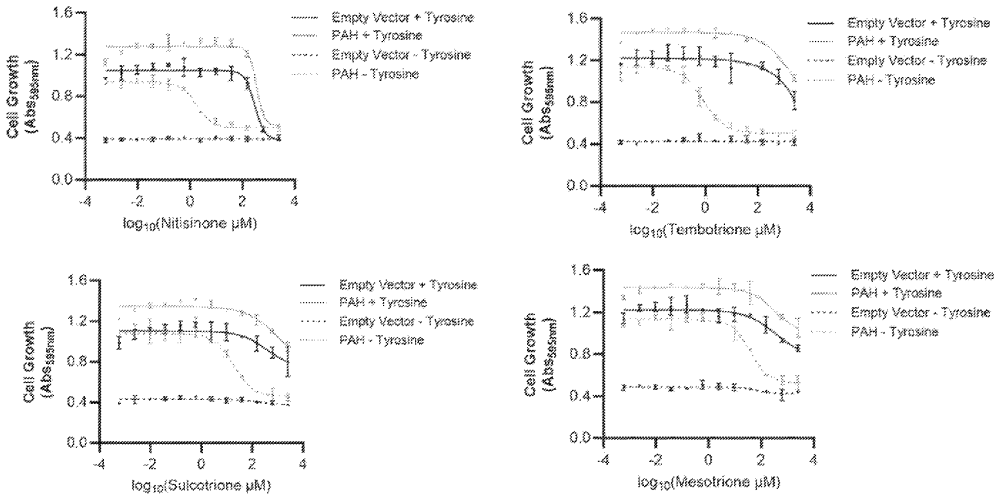
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(54) Title: HPD INHIBITOR COMPOSITIONS AND METHODS OF USE

FIG. 1



(57) Abstract: Disclosed herein are inhibitors of 4-hydroxyphenylpyruvate dioxygenase (HPD or HPPD) that have decreased inhibitory activity against sepiapterin reductase (SPR). Disclosed herein are methods of administering an HPD inhibitor alone or in combination with a diet low in tyrosine and/or phenylalanine, with or without dihydrobiopterin (BH2) and/or tetrahydrobiopterin (BH4) supplementation and/or monoamine salvage therapy. The compounds of the present disclosure can be used to treat conditions responsive to modulation or inhibition of HPD, such as inborn errors of metabolism, including tyrosinemia. The compounds of the present disclosure can also be used as herbicides to control weeds.

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