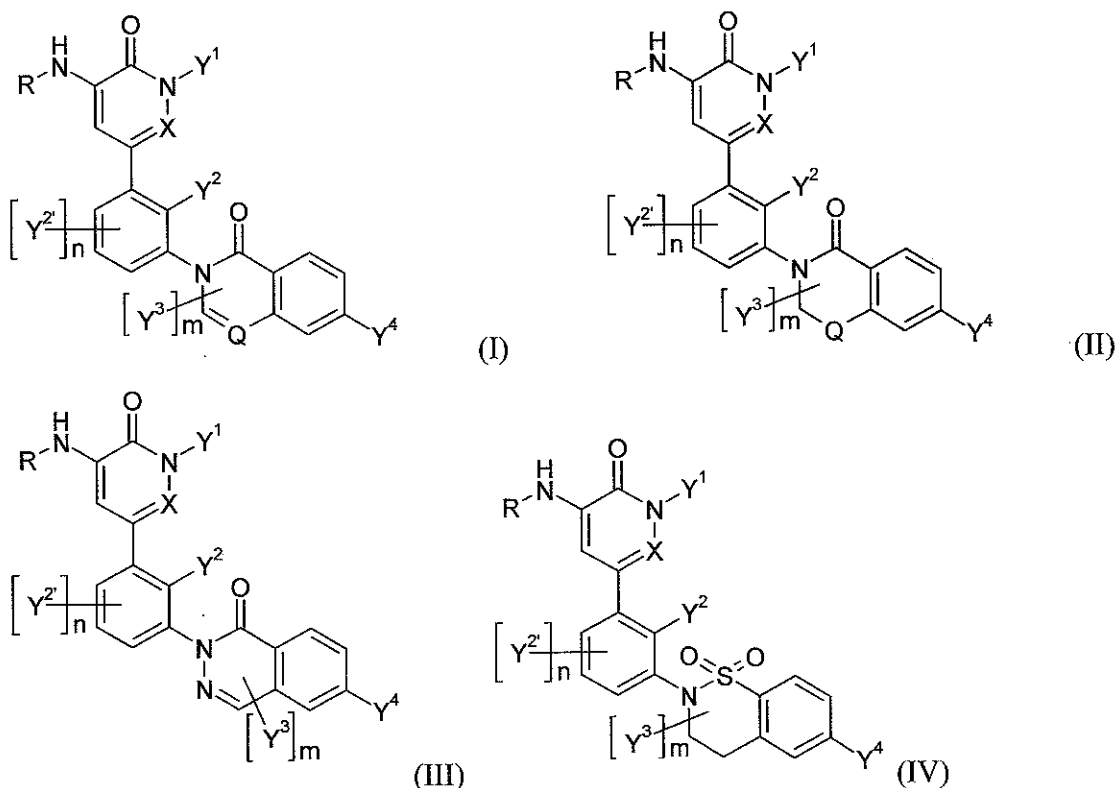


NOVEL SUBSTITUTED PYRIDIN-2-ONES AND PYRIDAZIN-3-ONES

Abstract

- 5 This invention discloses 5 -phenyl-1H-pyridin-2-one and 6-phenyl-2H-pyridazin-3-one derivatives according to generic Formulae I-IV:



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wherein variables R, X, Y¹, Y², Y³, Y⁴, n and m are defined as described herein, which inhibit Btk. The compounds disclosed herein are useful to modulate the activity of Btk and treat diseases associated with excessive Btk activity. The compounds are further useful to treat inflammatory and auto immune diseases associated with aberrant B-cell proliferation such as rheumatoid arthritis. Also disclosed are compositions comprising

15 compounds of Formulae I-IV and at least one carrier, diluent or excipient.

(No suitable figure)