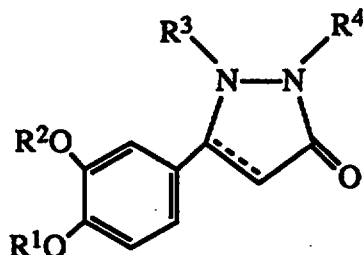


ABSTRACT

**PHENYL PYRAZOLIDINONES AS BRONCHODILATORS
AND ANTI-INFLAMMATORY AGENTS**

There are disclosed compounds of the formula

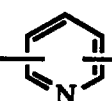


wherein

R¹ is hydrogen or lower alkyl;

R² is C₃₋₇ alkyl or C₃₋₇ cycloalkyl;

R³ is hydrogen, lower alkyl, carboxyloweralkyl, lower alkoxycarbonyl, lower alkoxycarbonyl loweralkyl, aryl, aralkyl, -COOH or CONH₂;

R⁴ is hydrogen, C₁₋₈ alkyl, $\text{-}\overset{\text{Y}}{\underset{\text{||}}{\text{C}}}\text{-B-R}^5$ or $\text{-(CH}_2\text{)}_n\text{A-}$  R⁶;

B is a bond, NH or O;

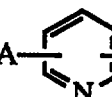
Y is O or S;

A is a bond or -C=C-;

n is 0 - 5;

R⁵ is hydrogen when B is NH, or

R⁵ is lower alkyl, C₃₋₈ cycloalkyl; aryl, substituted aryl, aralkyl, substituted

aralkyl, aralkenyl, aralkenylalkyl or $\text{-(CH}_2\text{)}_n\text{A-}$  R⁶;

R⁶ is hydrogen or halo;

the dotted line represents an optional double bond; and

the pharmacologically acceptable salts thereof, which by virtue of their ability to selectively inhibit PDE IV, are bronchodilatory and anti-inflammatory and so are useful in the treatment of acute and chronic bronchial asthma and associated pathologies.

This Sheet Has Been Replaced

