

[54] **15-DEOXY-16-HYDROXY-16-VINYL AND
CYCLOPROPYL SUBSTITUTED
PROSTANOIC ACIDS AND CONGENERS**

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[57] **ABSTRACT**

This disclosure describes esters having prostaglandin-
like activity of 15-deoxy-16-hydroxy-16-substituted-
prostanoic acids formed by replacing the hydroxy

group of the C₁-carboxylic acid substituent with para-
acetamidophenoxy, methylsulfonylamido, para-acetyl-
phenoxy, para-phenylphenoxy, C₃-C₁₀ cycloalkoxy,
arylalkoxy wherein the alkoxy group has from 7-12
carbon atoms, phenoxy or phenoxy substituted with 1-3
chlorine atoms or C₁-C₃ alkyl, phenacyloxy or
phenacyloxy ring-substituted with from 1-3 bromine
atoms, a nitro moiety, C₁-C₈ arylalkyl, or arylalkoxy
wherein the alkoxy group has from 7-12 carbon atoms;
substituted arylamino (C₁-C₁₂), substituted-naphthoxy,
fluorenoxy, carboxyalkoxy (C₅-C₁₁), 5-indanyloxy,
benzoylphenoxy, benzyloxy or ring-substituted ben-
zyloxy, glyceryloxy, phosphatoglyceroyloxy, amino sub-
stituted with an alkanoyl or cycloalkanoyl group; aroyl
or substituted aroyl; alkylsulfonyl; arylsulfonyl or sub-
stituted-arylsulfonyl, hydrazinyl and substituted hy-
drazinyl; alkylamino (C₁-C₅), or the semicarbazide of
the para-formylphenoxy group.

**1 Claim, No Sheets Drawing,
105 Pages Specification**

The file of this unexamined application may be inspected and
copies thereof may be purchased (849 O.G. 1221, Apr. 9, 1968).