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(54)	Title	IMPROVED PROCESS FOR THE PREPARATION OF TREPROSTINIL AND DERIVATIVES THEREOF
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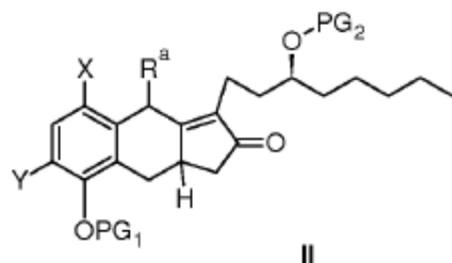
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Enclosed is a translation of the patent claims in Norwegian. Please note that as per the Norwegian Patents Acts, section 66i the patent will receive protection in Norway only as far as there is agreement between the translation and the language of the application/patent granted at the EPO. In matters concerning the validity of the patent, language of the application/patent granted at the EPO will be used as the basis for the decision. The patent documents published by the EPO are available through Espacenet (<http://worldwide.espacenet.com>) or via the search engine on our website here: <https://search.patentstyret.no/>

Patentkrav

1. Fremgangsmåte for fremstilling av en forbindelse med formel IV, som omfatter trinnene av

- 5 a) å hydrogenere og redusere en forbindelse med formel II



hvor

X er Br og **Y** er H og

PG₁ velges fra gruppen bestående av metyl, metoksymetyl, benzyloksymetyl,

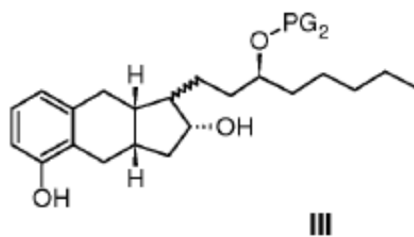
15 metoksyetoksymetyl, benzyl, 4-metoksybenzyl, 2,6-diklorbenzyl, 3,4-diklor-benzyl;
-CH₂COOH, -CH₂COOR_x, og -CH₂CH₂OPG₂; og

PG₂ er TBDMS; og

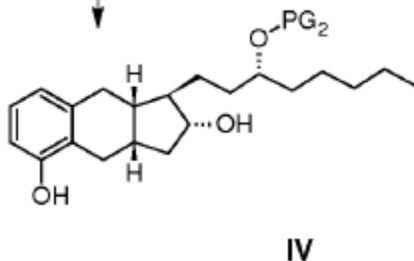
R^a er hydroksy;

for å oppnå en racemisk forbindelse med formel III;

- 20 b) å bringe en racemisk forbindelse med formel III i kontakt med Lipase AK i nærvær av et løsningsmiddel; og
c) å oppnå en optisk ren forbindelse IV;



↓
Lipase AK



2. Fremgangsmåte ifølge krav 1, hvor løsningsmiddelet velges fra gruppen bestående av vinylacetat, heksan, heptan og kloroform.

3. Fremgangsmåte ifølge krav 1 eller 2, hvor hydrogeneringen utføres ved en pH på fra 8 til 12, fortrinnsvis ved en pH på fra 9 til 10.
4. Fremgangsmåte for fremstilling av treprostinil (**18**), som omfatter følgende trinn:

5. Ny mellomforbindelse for fremgangsmåten ifølge krav 3, valgt fra gruppen bestående av

