11. The process according to any of claims 1-10, wherein the formed naltrexone is isolated by a method comprising the following steps

a) mixing the reaction mixture with an acid

b) concentrating the reaction mixture

c) mixing the resulting mixture with water

d) optionally mixing the reaction mixture with an acid

e) optionally treating the mixture with charcoal

f) mixing the resulting mixture with a base

g) isolating the resulting solid.

h) optionally suspending the solid in water, mixing with acid followed by mixing with base and then isolating the resulting solid.

i) drying the solid.

12. A process for the manufacturing of nalmefene comprising the steps

i) manufacturing of naltrexone by a process according to any of claims 1-11

ii) further processing of naltrexone obtained from i) to nalmefene optionally by the Wittig reaction.

13. The process according to claim 12 comprising the following subsequent steps

iii) precipitating nalmefene as a pharmaceutically acceptable salt

iv) optionally purifying the obtained nalmefene salt.

~~14. Naltrexone directly obtained from the process according to any of claims 1-11.~~

~~15. Nalmefene directly obtained from the process according to any of claims 12-13.~~