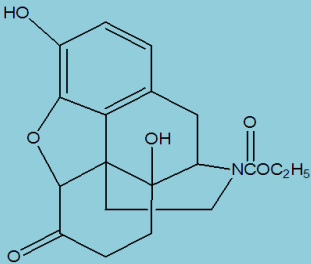
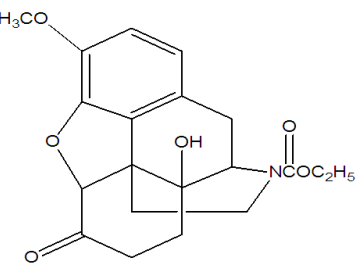
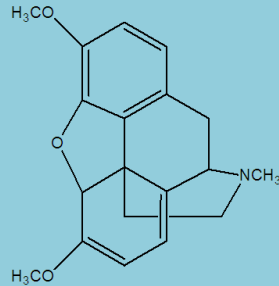


Product List

(For Export)

Pharmaceutical Intermediates

Item	Product & CAS No	Structure	End Use	Step
1	Noroxymorphone ethyl Carbamate	 <chem>C19H21NO6</chem>	Naltrexone Naloxone Oxymorphone	N-3 N-3 N-3
2	Noroxycodone ethyl Carbamate	 <chem>C20H23NO6</chem>	Naltrexone Naloxone Oxycodone	N-4 N-4 N-3
3	Thebaine CAS: 115-37-7	 <chem>C19H21NO3</chem>	Oxycodone Oxymorphone Naltrexone Naloxone Buprenorphine	N-3 N-5 N-7 N-7 N-8

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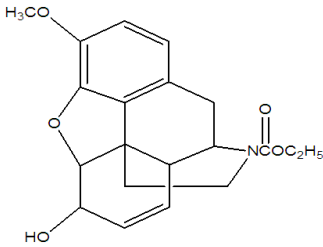
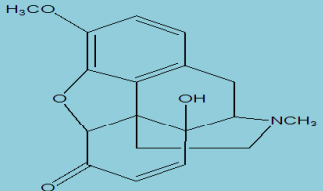
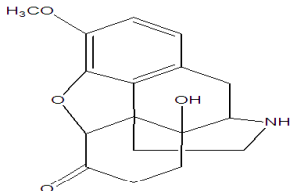
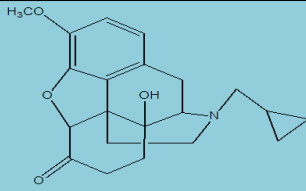
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Product List

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Pharmaceutical Intermediates

Item	Product & CAS No	Structure	End Use	Step
4	Norcodeine ethyl Carbamate	 C ₂₀ H ₂₂ N ₂ O ₅	Naltrexone Naloxone	N-8 N-8
5	Hydroxycodeinone CAS: 508-54-3	 C ₁₈ H ₁₉ N ₂ O ₄	Oxycodone Oxymorphone Naltrexone Naloxone	N-2 N-4 N-6 N-6
6	Noroxycodone (Base & HCl) CAS[Base]: 57664-96-7 CAS[HCl]: 52446-25-0	 C ₁₇ H ₁₉ N ₂ O ₄	Naltrexone Naloxone	N-3 N-3
7	3-O-Methylnaltrexone CAS: 83387-25-	 C ₂₁ H ₂₅ N ₂ O ₄	Naltrexone	N-2

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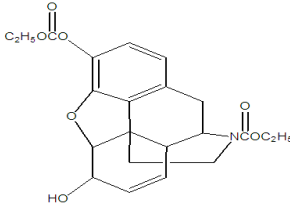
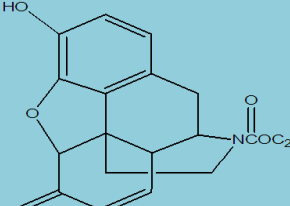
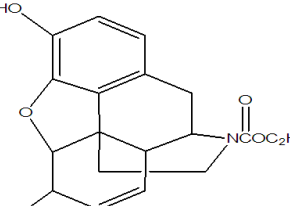
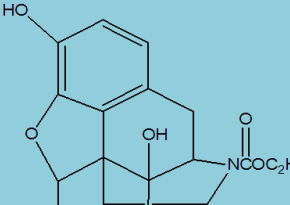
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Product List

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Pharmaceutical Intermediates

Item	Product & CAS No	Structure	End Use	Step
8	3-O,N-(Diethoxycarbonyl)normorphine	 <p>C₂₂H₂₅NO₇</p>	Naltrexone Naloxone	N-7 N-7
9	Normorphinone ethyl Carbamate	 <p>C₁₉H₁₉NO₅</p>	Naltrexone Naloxone Hydromorphone	N-6 N-6 N-3
10	Normorphine ethyl Carbamate	 <p>C₁₉H₂₁NO₅</p>	Hydromorphone Naltrexone Naloxone	N-4 N-8 N-8
11	14-Hydroxynormorphinone ethyl Carbamate	 <p>C₁₉H₁₉NO₆</p>	Naltrexone Naloxone Oxymorphone	N-4 N-4 N-4

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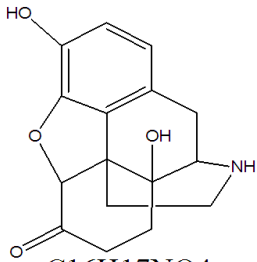
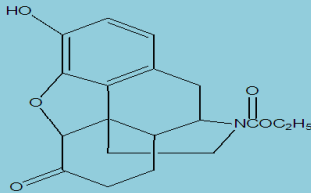
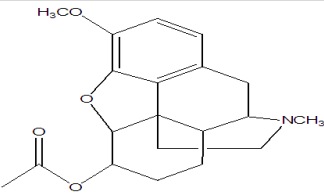
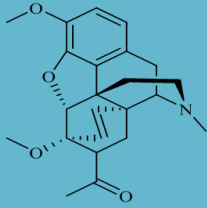
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Product List

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Pharmaceutical Intermediates

Item	Product & CAS No	Structure	End Use	Step
12	Noroxymorphone (Base & HCl) CAS[Base]: 33522-95-1 CAS[HCl]: 52446-24-9	 <p>C₁₆H₁₇NO₄</p>	Naltrexone Naloxone	N-2 N-2
13	Norhydromorphone ethyl Carbamate	 <p>C₁₉H₂₁NO₅</p>	Hydromorphone	N-2
14	6-Acetyl dihydrocodeine	 <p>C₂₀H₂₅NO₄</p>	Dihydrocodeine Hydrocodone	N-2 N-2
15	Thevinone CAS:15358-22-2	 <p>C₂₃H₂₇NO₄</p>	Buprenorphine HCL	N-7

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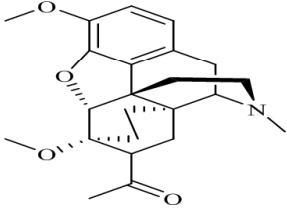
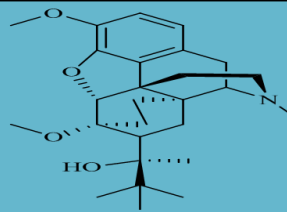
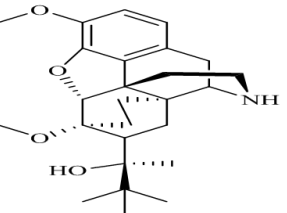
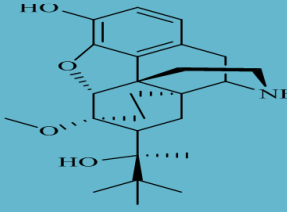
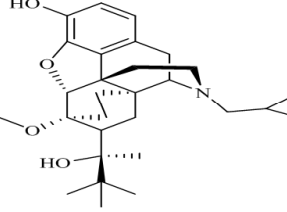
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Pharmaceutical Intermediates

Item	Product & CAS No	Structure	End Use	Step
16	Dihydrothevinone	 <chem>CC(=O)C12CC3=C(C=C1)OC(=O)C2=C3OC</chem> $C_{23}H_{29}NO_4$	Buprenorphine HCL	N-6
17	Thevinol	 <chem>CC(C)(O)C12CC3=C(C=C1)OC(=O)C2=C3OC</chem> $C_{27}H_{39}NO_4$	Buprenorphine HCL	N-5
18	Endo-ethanonorthebaine	 <chem>CC(C)N12CC3=C(C=C1)OC(=O)C2=C3OC</chem> $C_{26}H_{37}NO_4$	Buprenorphine HCL	N-3
19	Norbuprenorphine CAS:78715-23-8	 <chem>CC(C)(O)N12CC3=C(C=C1)OC(=O)C2=C3OC</chem> $C_{25}H_{35}NO_4$	Buprenorphine HCL	N-2
20	Buprenorphine base CAS:52485-79-7	 <chem>CC(C)N12CC3=C(C=C1)OC(=O)C2=C3OC</chem> $C_{29}H_{41}NO_4$	Buprenorphine HCL	N-1

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