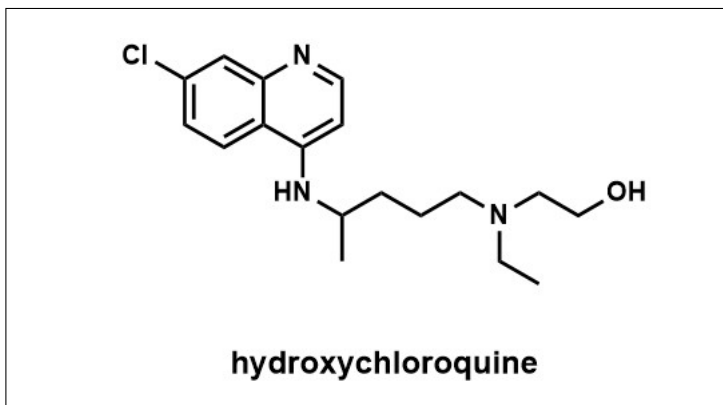


Hydroxychloroquine



SOS

Related reviews in Science of Synthesis

- β -Amino Alcohols
- Quinolines
- Quinolinamines
- Reductive Amination of Carbonyl Compounds

ATC: P01BA02

Use: antirheumatic, antimalarial

Chemical name: 2-[[4-[(7-chloro-4-quinolinyl)amino]pentyl]ethylamino]ethanol

Formula: C₁₈H₂₆ClN₃O

MW: 335.88 g/mol

CAS-RN: 118-42-3

InChI Key: XXSMGPRMXLTPCZ-UHFFFAOYSA-N

InChI: InChI=1S/C18H26ClN3O/c1-3-22(11-12-23)10-4-5-14(2)21-17-8-9-20-18-13-15(19)6-7-16(17)18/h6-9,13-14,23H,3-5,10-12H2,1-2H3,(H,20,21)

EINECS: 204-249-8

LD50: 1240 mg/kg (M, p.o.)

Derivatives

sulfate (1:1)

Formula: C₁₈H₂₆ClN₃O • H₂SO₄

MW: 433.96 g/mol

CAS-RN: 747-36-4

EINECS: 212-019-3

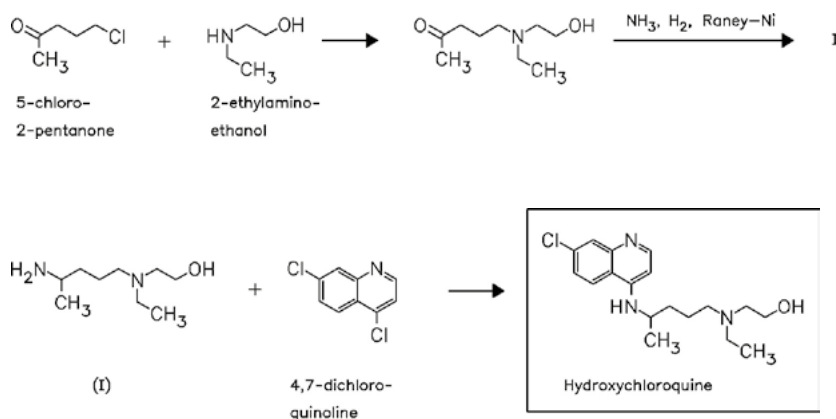
phosphate (1:2)

Formula: C₁₈H₂₆ClN₃O • 2H₃PO₄

MW: 531.87 g/mol

CAS-RN: 6168-85-0

Synthesis Path



Substances Referenced in Synthesis Path

CAS-RN	Formula	Chemical Name	CAS Index Name
69559-11-1	C ₉ H ₂₂ N ₂ O	2-[(4-aminopentyl)ethylamino]ethanol	Ethanol, 2-[(4-aminopentyl)ethylamino]-
5891-21-4	C ₅ H ₉ ClO	5-chloro-2-pentanone	2-Pentanone, 5-chloro-
86-98-6	C ₉ H ₅ Cl ₂ N	4,7-dichloroquinoline	Quinoline, 4,7-dichloro-
110-73-6	C ₄ H ₁₁ NO	2-(ethylamino)ethanol	Ethanol, 2-(ethylamino)-
74509-79-8	C ₉ H ₁₉ NO ₂	5-[ethyl(2-hydroxyethyl)amino]-2-pentanone	2-Pentanone, 5-[ethyl(2-hydroxyethyl)amino]-

Trade Names

Country	Trade Name	Vendor	Annotation
D	Quensyl	Sanofi-Aventis	
F	Plaquenil	Sanofi-Aventis	
GB	Plaquenil	Sanofi-Aventis	
I	Plaquenil	Sanofi-Aventis	
USA	Hydroxychloroquine	MylanWatson	

Formulations

drg. 200 mg (as hydrochloride)

References

US 2 546 658 (Sterling Drug; 1951; prior. 1949).