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CERTIFICATE OF ANALYSIS

Analysis Date:

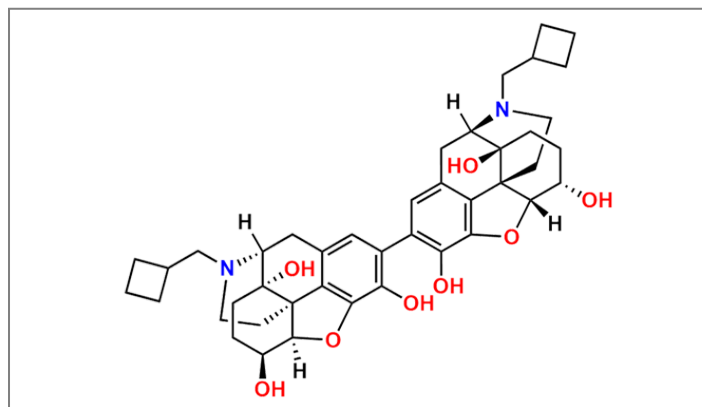
Re-test Date:

Product Name: 2,2-Bis Nalbuphine

Identification:

Chemical Name: (4R,4'R,5S,5'S,8S,8'S,9R,9'R,17S,17'S)-3,3'-Bis(cyclobutylmethyl)-1,1',2,2',3,3',4,4',5,5',6,6',7,7',8,8',9,9',18,18'-icosahydro-[13,13'-bi(4,12-methanobenzofuro[3,2-e]isoquinoline)]-5,5',8,8',12,12'-hexaol

Synonyms : NA
CAS Number : 214542-42-4
CAT Number : CP-N90002
Molecular Formula : C42H52N2O8
Molecular Weight : 712.9



Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure

Prepared and Reviewed By

Approved By




Ms Priyanka Salunkhe
(Manager QC Analytical)



Ms Rohini Gagare
(QA Head)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.