Registered Address: Chemicea Pharmaceuticals Pvt Ltd, Platinum Springs,
Unit No- A- 205&206 Second floor, Plot No: G-6, G-20 to G 24, Taloja- MIDC, Opp. Dena Bank
Navi Mumbai 410208, MH, INDIA. Email- info@chemicea.com Mob- +91 9284897978

CERTIFICATE OF ANALYSIS

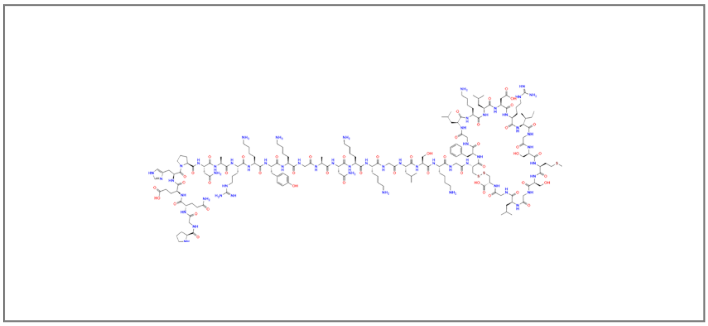
Analysis Date: Re-test Date:

Product Name: Vosoritide D-Ser-33 Impurity

Identification:

Chemical Name: (4R,10S,16S,19S,22R,28S,31S,34S,37S,40S,43S,49S,52R)-52-(2-((S)-2-((S)-2-((S)-2-(2-((S)-2-((S)-2-((S)-2-((S)-2-((S)-2-((S)-2-((S)-2-((S)-2-((S)-2-((S)-2-((S)-1-(L-prolylglycyl-L-glutaminyl-L-glutamyl-L-histidyl)pyrrolidine-2-carboxamido)-4-amino-4-oxobutanamido)propanamido)-5-guanidinopentanamido)-6-aminohexanamido)-3-(4-hydroxyphenyl)propanamido)-6-aminohexanamido)acetamido)propanamido)-4-amino-4-oxobutanamido)-6-aminohexanamido)-6-aminohexanamido)acetamido)-4-methylpentanamido)-3-hydroxypropanamido)-6-aminohexanamido)acetamido)-40-(4-aminobutyl)-49-benzyl-28-((S)-sec-butyl)-34-(carboxymethyl)-31-(3-guanidinopropyl)-16,22-bis(hydroxymethyl)-10,37,43-triisobutyl-19-(2-(methylthio)ethyl)-6,9,12,15,18,21,24,27,30,33,36,39,42,45,48,51-hexadecaoxo-1,2-dithia-5,8,11,14,17,20,23,26,29,32,35,38,41,44,47,50-hexadecaazacyclotripentacontane-4-carboxylic acid

Synonyms	:	NA
CAS Number	:	NA
CAT Number	:	CP-V55008
Molecular Formula	:	C176H290N56O51S3
Molecular Weight	:	4102.8



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)	1HNMR	Confirm to structure

Prepared and Reviewed By

Ms Priyanka Salunkhe
(Quality Control)

Approved By

Ms Rohini Gagare
(Quality Assurance)

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