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CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2026

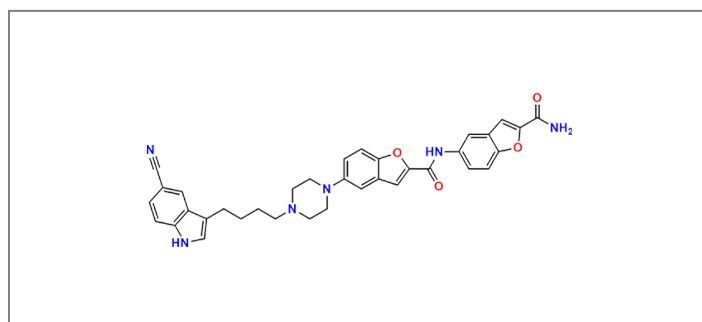
Re-test Date: Mar 2029

Product Name: Vilazodone Impurity 51

Identification:

Chemical Name: N-(2-carbamoylbenzofuran-5-yl)-5-(4-(4-(5-cyano-1H-indol-3-yl)butyl)piperazin-1-yl)benzofuran-2-carboxamide

Synonyms : NA
CAS Number : 3093141-56-8
CAT Number : CP-V18080
Molecular Formula : C₃₅H₃₂N₆O₄
Molecular Weight : 600.68
Batch Number : CP-36-138



Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA

Analytical Information:

Sr. No.	Test	Result
1)	Description	Off White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to Structure
4)	Purity by HPLC	97.85%
5)	¹ H NMR	Confirm to Structure
6)	¹³ C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.045%
9)	Potency by TGA	97.80%



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.