



COMMITTED FOR CHEMISTRY

SYNCHEMIA RESEARCH CHEMICAL

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CERTIFICATE OF ANALYSIS

Product Name : Sildenafil EP Impurity G (Sildenafil Dimer Impurity)		
CAS NO : 1346602-67-2		
Batch No: SRC-VJ-03-045-B		
Date of Analysis: 20 Mar 2023		
Retest Date: 20 Mar 2025		
Structure:		
Chemical Name	5,5'-((piperazine-1,4-disulfonyl)bis(6-ethoxy-3,1-phenylene))bis(1-methyl-3-propyl-1,6-dihydro-7H-pyrazolo[4,3-d]pyrimidin-7-one)	
Molecular Formula	C ₃₈ H ₄₆ N ₁₀ O ₈ S ₂	
Molecular Weight	834.96 g/mol	
Sr. No.	Test	Result
1)	Description	Off-White Solid
2)	Solubility	Soluble in Methanol, DMSO
3)	Identification	
	1. Mass	Confirm to structure
	2. 1H NMR	Confirm to structure
4)	Purity by HPLC	97.07%
Long Term Storage condition	Store at 2 ⁰ to 8 ⁰ c	
Shipping Condition	Ambient	
Note: This is only for Analytical testing purpose, not for Human or Animal Consumption.		
	Signature	Date
Checked By		
Approved By		

