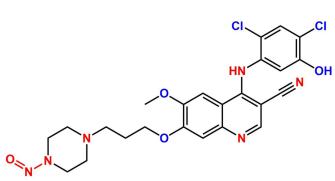


CERTIFICATE OF ANALYSIS

Date: 28-12-2024

Product Name	N-Nitroso Bosutinib impurity 4		
Chemical Name	4-((2,4-dichloro-5-hydroxyphenyl)amino)-6-methoxy-7-(3-(4-nitrosopiperazin-1-yl)propoxy)quinoline-3-carbonitrile		
Structure	 <p>The chemical structure shows a quinoline ring system. At position 3, there is a cyano group (-C≡N). At position 4, there is an amino group (-NH-) attached to a 2,4-dichloro-5-hydroxyphenyl ring. At position 6, there is a methoxy group (-OCH₃). At position 7, there is a propoxy chain (-O-CH₂-CH₂-CH₂-) attached to a piperazine ring. The piperazine ring has a nitroso group (-N=O) attached to one of its nitrogen atoms.</p>		
Inv. Status	-	CAS No.	NA
Analysis Date	-	Retest Date	-
Mol. Formula	C ₂₄ H ₂₄ Cl ₂ N ₆ O ₄	Molecular Wt.	531.39
Long term Storage Condition	Store at 2-8 °C in well closed container		
Handling and Transit Condition	25-30 °C in well closed container		

Test	Result
Appearance	-
Solubility	-
¹ H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%
Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.	

	Prepared By	Checked By	Approved By
Signature			
Date			

CLEANCHEM LABORATORIES LLP

Plot No. A-737/2, TTC Industrial Area, MIDC Khairane, Navi Mumbai, Maharashtra, INDIA- 400710

✉ sales@cleanchemlab.com ☎ +91-9324132198 🌐 www.cleanchemlab.com