



COMMITTED FOR CHEMISTRY

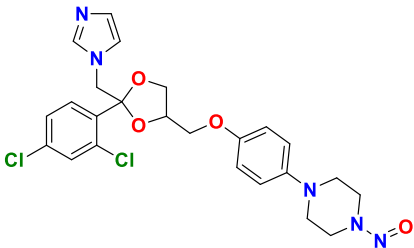
## SYNCHEMIA RESEARCH CHEMICAL

Plot No.408, Prakash Industries, 1st Floor, Bhare Phata, Tal- Mulshi, Dist- Pune, Pune-412115, Maharashtra India.

Mob.No - 9404317505 / 7276018915 . Website : <http://www.synchemia.com>

info@synchemia.com | sales@synchemia.com | export@synchemia.com

### CERTIFICATE OF ANALYSIS

<b>Product Name:</b> Ketoconazole Nitroso EP Impurity D		
<b>CAS NO:</b> NA		
<b>Batch No:</b> SRC-163-PL-184		
<b>Date of Analysis:</b> 23 April 2024		
<b>Retest Date:</b> 23 April 2026		
<b>Structure:</b>		
		
<b>Chemical Name</b>	1-(4-((2-((1H-Imidazol-1-yl)methyl)-2-(2,4-dichlorophenyl)-1,3-dioxolan-4-yl)methoxy)phenyl)-4-nitrosopiperazine	
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>25</sub> C <sub>12</sub> N <sub>5</sub> O <sub>4</sub>	
<b>Molecular Weight</b>	518.4g/mol	
<b>Sr. No.</b>	<b>Test</b>	<b>Result</b>
1)	<b>Description</b>	Pale Yellow Solid
2)	<b>Solubility</b>	Soluble in DMSO, Methanol
3)	<b>Identification</b>	
	1. Mass	Confirm to structure
	2. 1H NMR	Confirm to structure
4)	<b>Purity by HPLC</b>	97.95%
<b>Long Term Storage condition</b>		Store at 2 <sup>0</sup> to 8 <sup>0</sup> c
<b>Shipping Condition</b>		Ambient
<b>Note:</b> This is only for Analytical testing purpose, not for Human or Animal Consumption.		
	Signature	Date
Checked By		
Approved By		

