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## CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2025

Re-test Date: Feb 2028

**Product Name: N-Nitroso Vilazodone Impurity 10**

### Identification:

Chemical Name: 5-(4-Nitrosopiperazin-1-yl)benzofuran-2-carboxamide

Synonyms : NA

CAS Number : NA

CAT Number : CP-V18011

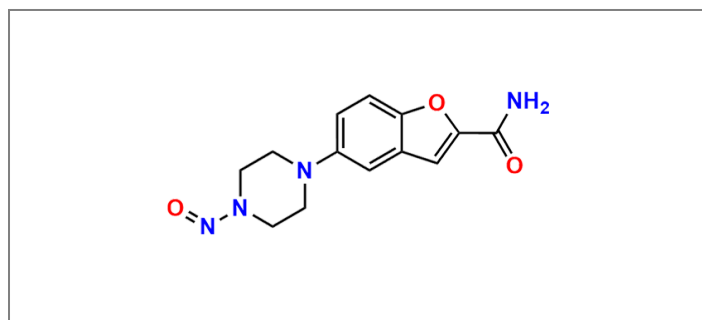
Molecular Formula : C<sub>13</sub>H<sub>14</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight : 274.3

Batch Number : CP-VIL-NIT10-1223

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	Yellow to light Brown Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	97.31%
5)	<sup>1</sup> HNMR	Confirm to structure
6)	Weight loss by TGA	0.432%
7)	Potency by TGA	96.89%



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.