

# CERTIFICATE OF ANALYSIS

(Certificate No. KMB001002-01)

Release Date: 24/01/2024

Re-test Date: 23/01/2027

## Brexpiprazole Nitroso Impurity 2

### Identification

**Chemical Name :**

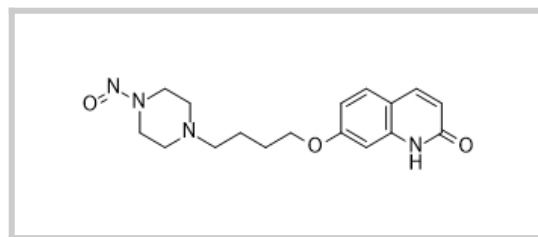
7-(4-(4-nitrosopiperazin-1-yl)butoxy)quinolin-2(1H)-one

CAT No. : KMB001002

CAS No. : Not Available

Molecular Formula : C<sub>17</sub>H<sub>22</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight : 330.38



### Analytical Information

Batch No. : BRX-NO-IMP-2-073-040

Description : Off White Solid

HPLC Purity : 97.56 %

Weight Loss By TGA : 4.28 %

% Potency : 93.38 %

Solubility : ACN

Mass : Confirm

IR : Confirm

<sup>1</sup>H NMR : Confirm

<sup>13</sup>C NMR : Confirm

### Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be shipped at room temperature

% Potency = [100 - 4.28(Weight Loss By TGA)] x [97.56(HPLC Purity)]/100 = 93.38 %

Remarks : COA Re-generated on 05.08.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		05/08/2024
Reviewed & Approved By	Quality Control	Jatin Patel		05/08/2024

Attachments : COA, HPLC, MASS, <sup>1</sup>H NMR, <sup>13</sup>C NMR, IR and TGA