# CERTIFICATE OF ANALYSIS

(Certificate No. KMB001038-01)

**Release Date:** 03/11/2026 **Re-test Date:** 02/11/2029

## O-Alkyl Brexpiprazole

## Identification

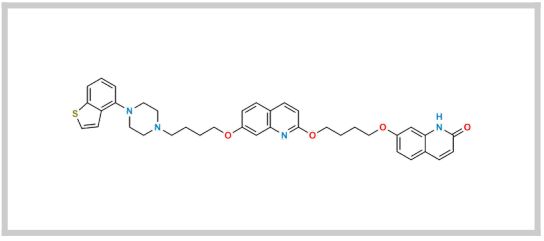
**Chemical Name** :
7-(4-((7-(4-(4-(Benzo[b]thiophen-4-yl)piperazin-1-yl)butoxy)quinolin-2-yl)oxy)butoxy)quinolin-2(1H)-one

**CAT No.** : KMB001038

**CAS No.** : 2116542-21-1

**Molecular Formula** : C38H40N4O4S

**Molecular Weight** : 648.8



## Analytical Information

| | | | |
|---|---|---|---|
| **Batch No.** | : B001038-136-327 | **Solubility** | : ACN : Methanol |
| **Description** | : White Soild | **Mass** | : Confirm |
| **HPLC Purity** | : 92.04 % | **IR** | : Confirm |
| **Weight Loss By TGA** | : 1.07 % | **1H NMR** | : Confirm |
| **% Potency** | : 91.06 % | **13C 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 - 1.07(Weight Loss By TGA)] x [92.04(HPLC Purity)]/100 = 91.06 %

**Recommendation** : Released

| | Department | Name | Signature | Date |
|---|---|---|---|---|
| **Prepared By** | Analytical | Jignesh Patel | | 03/11/2026 |
| **Reviewed & Approved By** | Quality Control | Jatin Patel | | 03/11/2026 |

**Attachments** : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA