

CERTIFICATE OF ANALYSIS

(Certificate No. KMB001081-01)

Release Date: 26/12/2024

Re-test Date: 25/12/2027

Brexpiprazole Nitroso Impurity 1

Identification

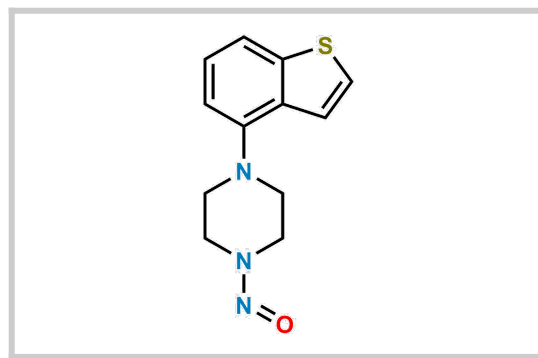
Chemical Name :
1-(Benzo[b]thiophen-4-yl)-4-nitrosopiperazine

CAT No. : KMB001081

CAS No. : 2639426-95-0

Molecular Formula : C₁₂H₁₃N₃O_S

Molecular Weight : 247.3



Analytical Information

Batch No. : B001081-091-102

Description : Light Yellow Solid

HPLC Purity : 99.71 %

Weight Loss By TGA : 0.25 %

% Potency : 99.46 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

¹H 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 - 0.25(Weight Loss By TGA)] x [99.71(HPLC Purity)]/100 = 99.46 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Parag Patel		26/12/2024
Reviewed & Approved By	Quality Control	Jatin Patel		26/12/2024

Attachments : COA, HPLC, MASS, ¹H NMR, ¹³C NMR, IR and TGA