CERTIFICATE OF ANALYSIS

(Certificate No. KMB001081-01)

Release Date: 26/12/2024 **Re-test Date:** 25/12/2027

Brexpiprazole Nitroso Impurity 1

Identification

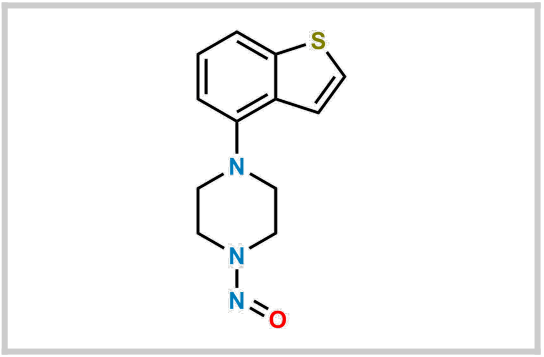
Chemical Name :
1-(Benzo[b]thiophen-4-yl)-4-nitrosopiperazine

CAT No. : KMB001081

CAS No. : 2639426-95-0

Molecular Formula : C12H13N3OS

Molecular Weight : 247.3



Analytical Information

Batch No.	: B001081-091-102	**Solubility**	: Acetonitrile
Description	: Light Yellow Solid	**Mass**	: Confirm
HPLC Purity	: 99.71 %	**IR**	: Confirm
Weight Loss By TGA	: 0.25 %	**1H NMR**	: Confirm
% Potency	: 99.46 %		

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, 1HNMR, 13CNMR, IR and TGA