CERTIFICATE OF ANALYSIS

(Certificate No. KMB120027-01)

Release Date: 24/12/2024 **Re-test Date:** 23/12/2027

Buspirone N-Oxide

Identification

Chemical Name :
8-[4-[4-(Pyrimidin-2-yl)piperazin-1-yl]butyl]-8-azaspiro[4.5]-decane-7,9-dione N-oxide ;

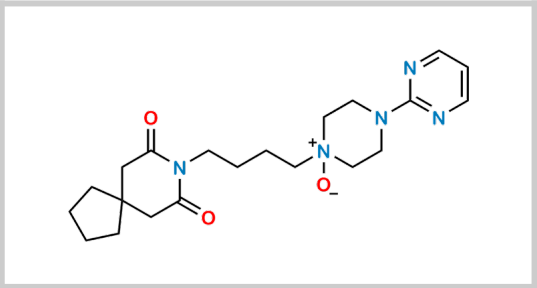
Alt. Name : Buspirone N-Oxide

CAT No. : KMB120027

CAS No. : 220747-81-9

Molecular Formula : C21H31N5O3

Molecular Weight : 401.5



Analytical Information

Batch No.	: B120027-091-097	**Solubility**	: Acetonitrile
Description	: Light Brown Solid	**Mass**	: Confirm
HPLC Purity	: 98.76 %	**IR**	: Confirm
Weight Loss By TGA	: 1.57 %	**1H NMR**	: Confirm
% Potency	: 97.21 %		

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 - 1.57(Weight Loss By TGA)] x [98.76(HPLC Purity)]/100 = 97.21 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		24/12/2024
Reviewed & Approved By	Quality Control	Jatin Patel		24/12/2024

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA