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CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2025

Re-test Date: Nov 2028

Product Name: Buspirone EP Impurity C

Identification:

Chemical Name: 2,2[Butane-1,4-diylbis(piperazine-1,4-diyl)]dipyrimidine

Synonyms : Buspirone
Bispyrimidinylpiperazinyl
Butane Impurity (USP)

CAS Number : 257877-45-5

CAT Number : CP-B22003

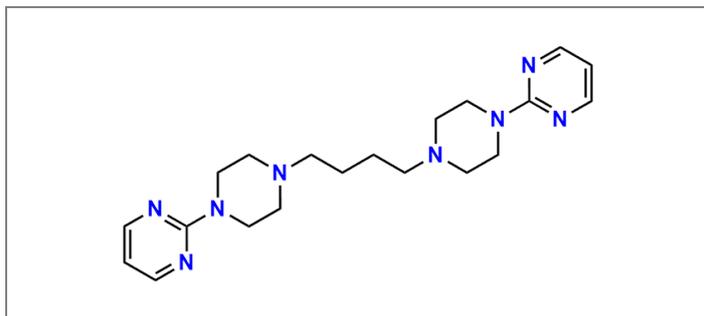
Molecular Formula : C₂₀H₃₀N₈

Molecular Weight : 382.51

Batch Number : CP-BUS-C-1125

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	96.76%
5)	¹ HNMR	Confirm to structure
6)	IR	Confirm to Structure
7)	Weight loss by TGA	2.703%
8)	Potency by TGA	94.14%



Prepared and Reviewed By



Ms Priyanka Salunkhe
(Quality Control)

Approved By



Ms Rohini Gagare
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.