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## CERTIFICATE OF ANALYSIS

Analysis Date: Jan 2023

Re-test Date: Dec 2025

**Product Name: Buspirone EP Impurity M**

### Identification:

Chemical Name: 8-(4-Bromobutyl)-8-azaspiro[4.5]-decane-7,9-dione

Synonyms : Buspirone Bromobutyl  
Impurity(USP)

CAS Number : 80827-62-9

CAT Number : CP-B22013

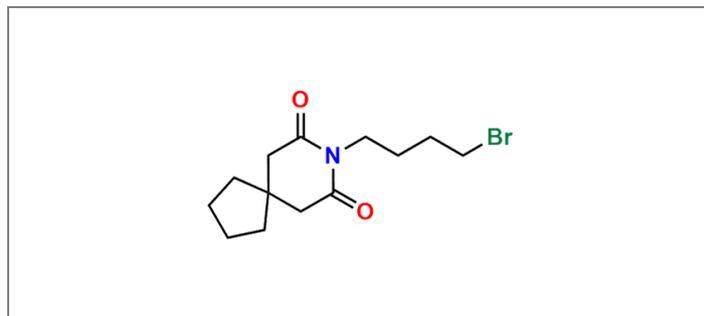
Molecular Formula : C<sub>13</sub>H<sub>20</sub>BrNO<sub>2</sub>

Molecular Weight : 302.21

Batch Number : CHEM-BUS-M

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	Pale Yellow Liquid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.48%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	Weight loss by TGA	0.119%
8)	Potency by TGA	99.36%



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

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