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## CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2025

Re-test Date: May 2028

**Product Name: Diazepam EP Impurity C**

### Identification:

Chemical Name: 3-Amino-6-chloro-1-methyl-4-phenylquinolin-2(1H)-one (as per EP)

Synonyms : Diazepam USP Related  
Compound B

CAS Number : 5220-02-0

CAT Number : CP-D18003

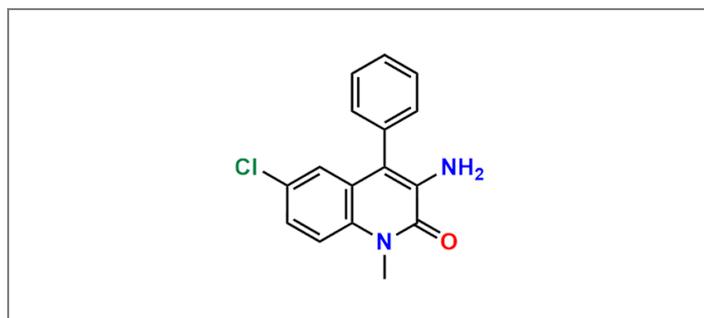
Molecular Formula : C<sub>16</sub>H<sub>13</sub>ClN<sub>2</sub>O

Molecular Weight : 284.7

Batch Number : CP-DIA-C-0625

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 DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.12%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	IR	Confirm to Structure
7)	Weight loss by TGA	0.651%
8)	Potency by TGA	98.47%



**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.