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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Nintedanib Impurity 109**

### Identification:

Chemical Name: N-methyl-N-(4-nitrophenyl)-2-(piperazin-1-yl)acetamide

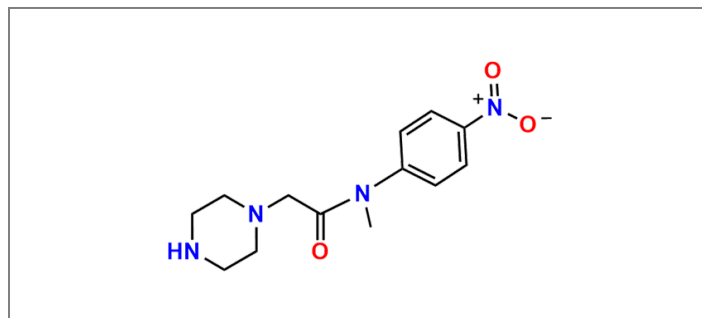
Synonyms : NA

CAS Number : 1038972-16-5

CAT Number : CP-N24077

Molecular Formula : C<sub>13</sub>H<sub>18</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight : 278.31



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	Confirm to structure



### 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.