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## CERTIFICATE OF ANALYSIS

Analysis Date: Oct 2025

Re-test Date: Sep 2026

**Product Name: Paliperidone 9-Keto Impurity**

### Identification:

Chemical Name: (3-{2-[4-(6-Fluorobenzo[d]isoxazol-3-yl)piperidin-1-yl]ethyl}-2-methyl-7,8-dihydro-4H-pyrido[1,2-a]pyrimidine-4,9(6H)-dione (as per USP)

Synonyms : 9-Keto Risperidone ;  
Paliperidone USP Related  
Compound E

CAS Number : 1189516-65-1

CAT Number : CP-P13006

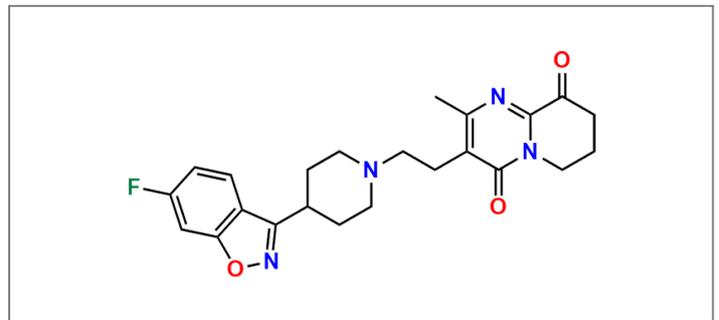
Molecular Formula : C<sub>23</sub>H<sub>25</sub>N<sub>4</sub>O<sub>3</sub>

Molecular Weight : 424.48

Batch Number : CP-PAL-9KET-1023

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	Yellow Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	83.70 %
5)	<sup>1</sup> H NMR	Confirm to structure
6)	<sup>13</sup> C NMR	Confirm to Structure
7)	IR	Confirm to Structure



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.