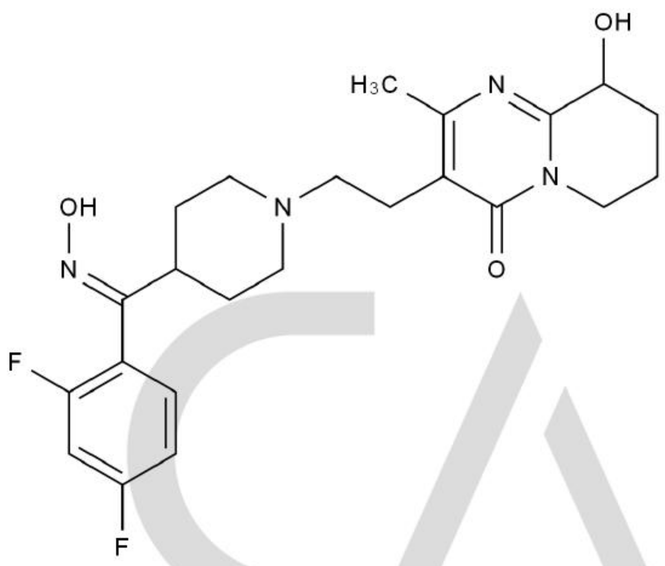
Certificate of Analysis

Reference Material & Standard

Product Name:	Paliperidone Impurity 27	**Catalogue Number:**	C4X-172427
Synonyms:	N/A	**Lot Number:**	1025-RH-0001
CAS Number:	1388021-46-2	**Expiry Date:**	Oct 27, 2030
Molecular Formula:	$C_{23}H_{28}F_2N_4O_3$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	446.49	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	97.391%
Loss on Drying	TGA	0.6547%
Assay	Mass Balance	96.8%

CATO Research Chemicals Inc.

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Alice Date: Oct 28, 2026

Reviewed by: Koi Date: Oct 28, 2026

Approved by General Manager: David Date: Oct 28, 2026

CATO Research Chemicals Inc.