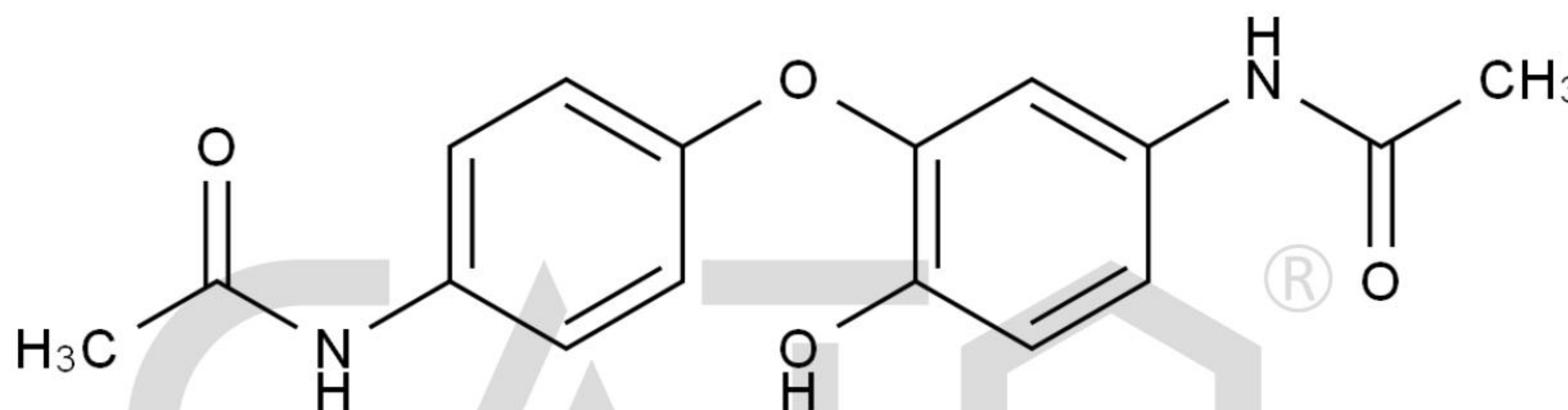


Certificate of Analysis

Reference Material & Standard

Product Name:	Paracetamol EP Impurity O	Catalogue Number:	C4X-121128
Synonyms:	N-[4-(5-Acetamido-2-hydroxyphenoxy)phenyl]acetamide	Lot Number:	0114-RH-0057
CAS Number:	2575516-61-7	Expiry Date:	Jan 21, 2030
Molecular Formula:	C ₁₆ H ₁₆ N ₂ O ₄	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	300.31	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Brown Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	95.684%
Residue on Ignition	TGA	0.2943%
Loss On Drying	TGA	3.5043%
Assay	qNMR	93.0%
Assay	Mass Balance	92.0%

Comment:

- The retest date of this product is Jan 21, 2029.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Jan 22, 2026

Date: Jan 22, 2026

Date: Jan 22, 2026

Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>



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