

Certificate of Analysis

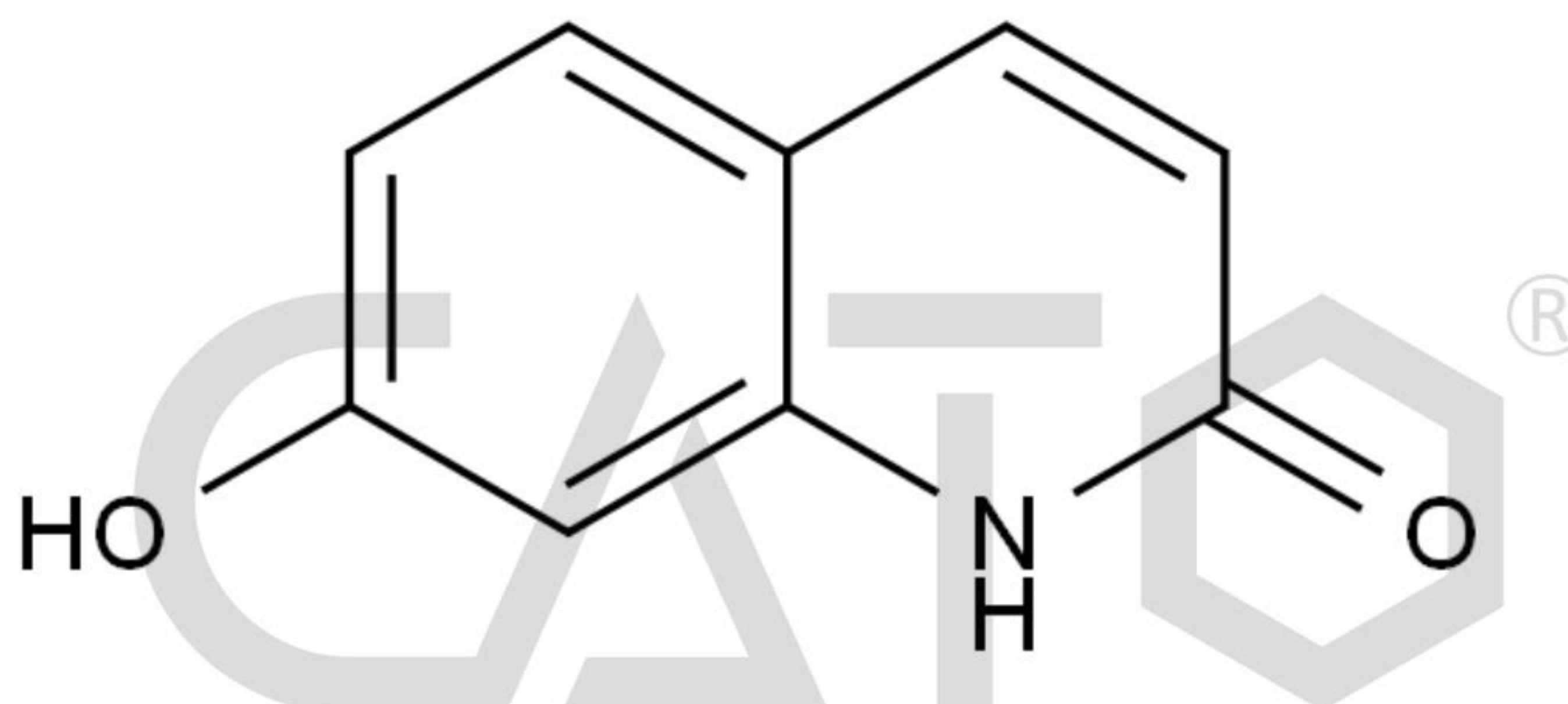
Reference Material & Standard

Product Name:	Brexiprazole Impurity 4	Catalogue Number:	C4X-11314
Synonyms:	N/A	Lot Number:	0317-RH-0083
CAS Number:	70500-72-0	Expiry Date:	Mar 29, 2030
Molecular Formula:	C ₉ H ₇ NO ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	161.16	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&UV&CNMR&HNMR&1H-1H- NOESY&1H-1H COSY	Confirmed
Purity	HPLC	99.276%
Residue on Ignition	TGA	1.5317%
Loss On Drying	TGA	0.2076%
Assay		97.5%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100%-Residue on Ignition-Loss On Drying) * 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:

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Approved by General Manager:

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Date: Mar 30, 2026

Date: Mar 31, 2026

Date: Mar 31, 2026



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