

Certificate of Analysis

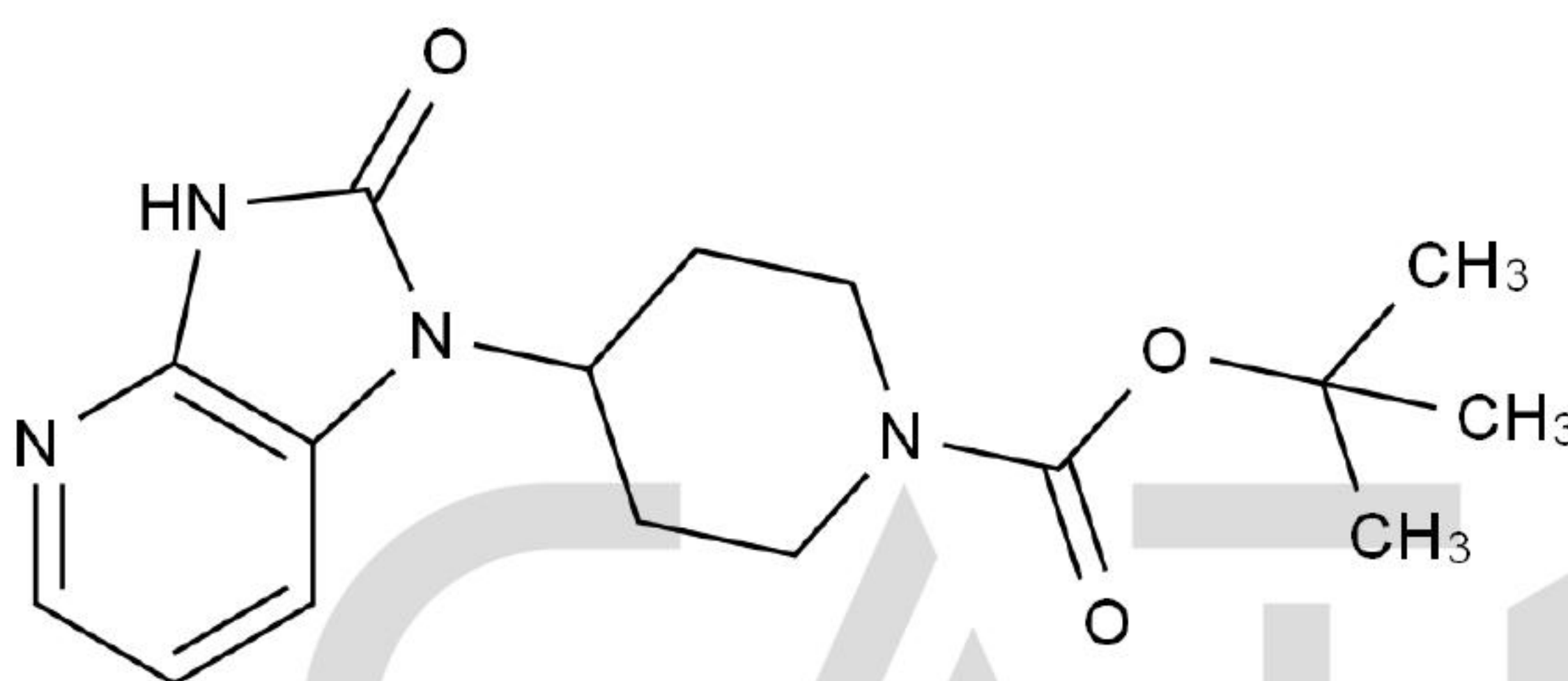
Reference Material & Standard

Product Name:	tert-Butyl 4-{2-oxo-1H,2H,3H-imidazo-[4,5-b]pyridin-1-yl}piperidine-1-carboxylate	Catalogue Number:	CP147534
Synonyms:	N/A	Lot Number:	0408-RG-0066
CAS Number:	781649-87-4	Expiry Date:	Apr 07, 2028
Molecular Formula:	C ₁₆ H ₂₂ N ₄ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	318.38		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.877%
Loss on Drying	TGA	2.2243%
Assay		97.7%

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:

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Reviewed by:

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Approved by General Manager:

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Date: Apr 08, 2025

Date: Apr 09, 2025

Date: Apr 09, 2025



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