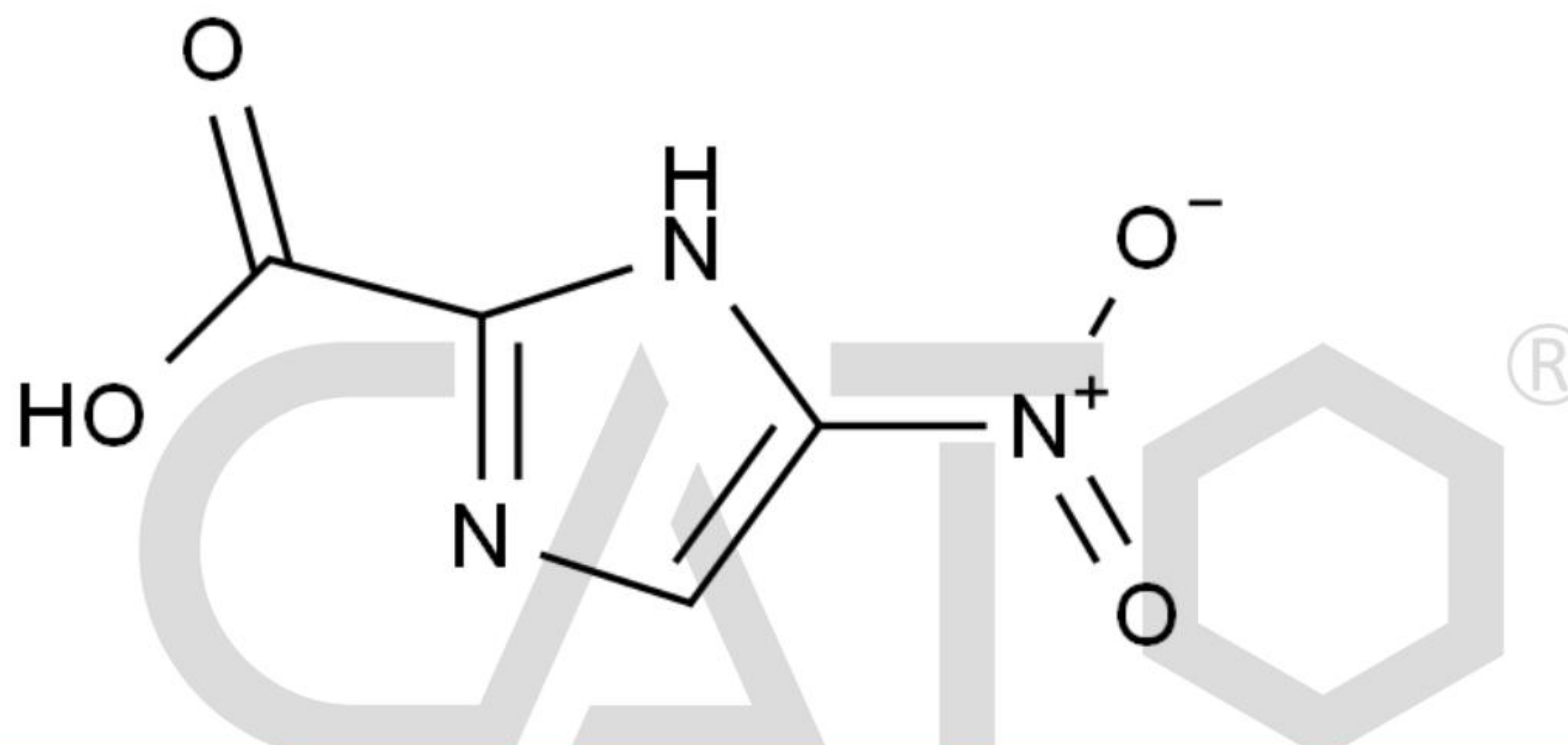


Certificate of Analysis

Reference Material & Standard

Product Name:	5-Nitro-1H-Imidazole-2-Carboxylic Acid	Catalogue Number:	C3D-2338
Synonyms:	N/A	Lot Number:	0521-RH-0016
CAS Number:	351990-51-7	Expiry Date:	May 24, 2030
Molecular Formula:	C ₄ H ₃ N ₃ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	157.08	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.846%
Loss on Drying	TGA	1.4449%
Assay		98.4%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: May 25, 2026

Date: May 25, 2026

Date: May 25, 2026



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