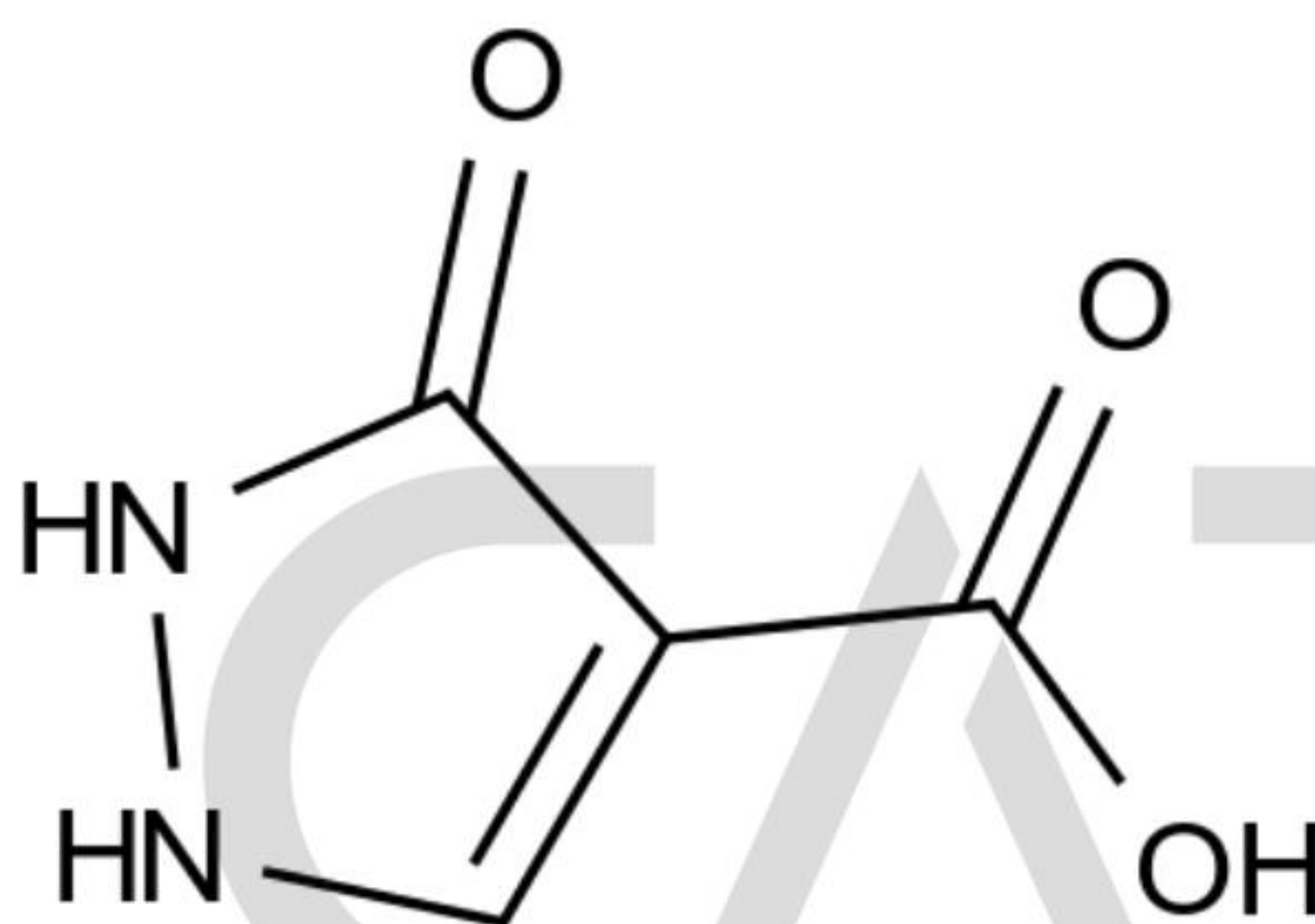


Certificate of Analysis

Reference Material & Standard

Product Name:	3-Oxo-2,3-dihydro-1H-pyrazole-4-carboxylic acid	Catalogue Number:	C1684827
Synonyms:	N/A	Lot Number:	1115-RF-0020
CAS Number:	478968-51-3	Expiry Date:	Dec 01, 2027
Molecular Formula:	C ₄ H ₄ N ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	128.09	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	0.0774%
Assay		99.9%

Comment:

The calculation of the 100% 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:

Lisa

Approved by General Manager:

David

Date: Dec 02, 2024

Date: Dec 02, 2024

Date: Dec 02, 2024

