

Certificate of Analysis

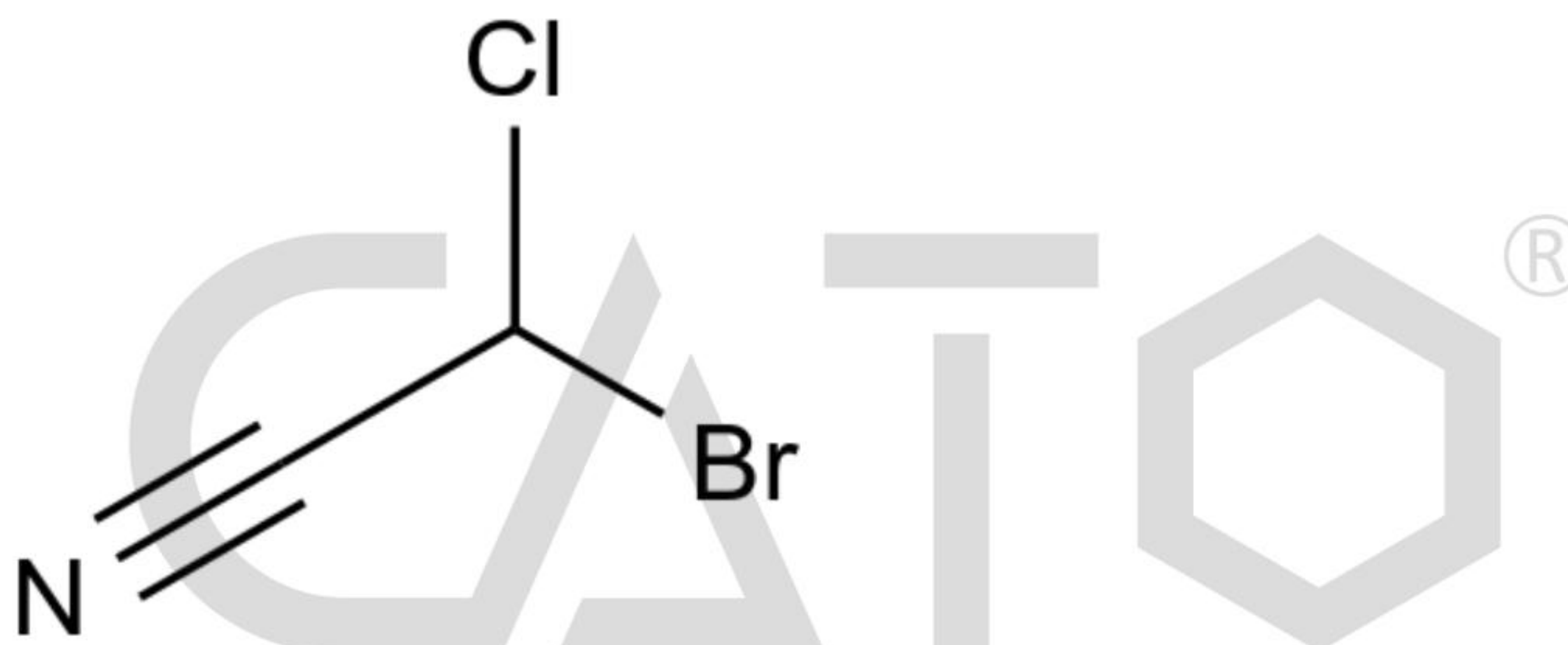
Reference Material & Standard

Product Name:	Bromochloroacetonitrile	Catalogue Number:	CCHM702204
Synonyms:	N/A	Lot Number:	1113-RE-0062
CAS Number:	83463-62-1	Expiry Date:	Sep 11, 2025
Molecular Formula:	C ₂ HBrClN	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	154.39	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Purity	GC	96.41%
Water Content	Karl Fischer	1.67%
Assay		94.8%
Uncertainty		±5.0%

Comment:

1. No chromatogram available.
2. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content}) * \text{Purity GC (\%)} / 100\%$$

Water Content is considered as absolute effect, GC purity is considered as relative effect.
3. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

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Date: Nov 14, 2023

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