Certificate of Analysis

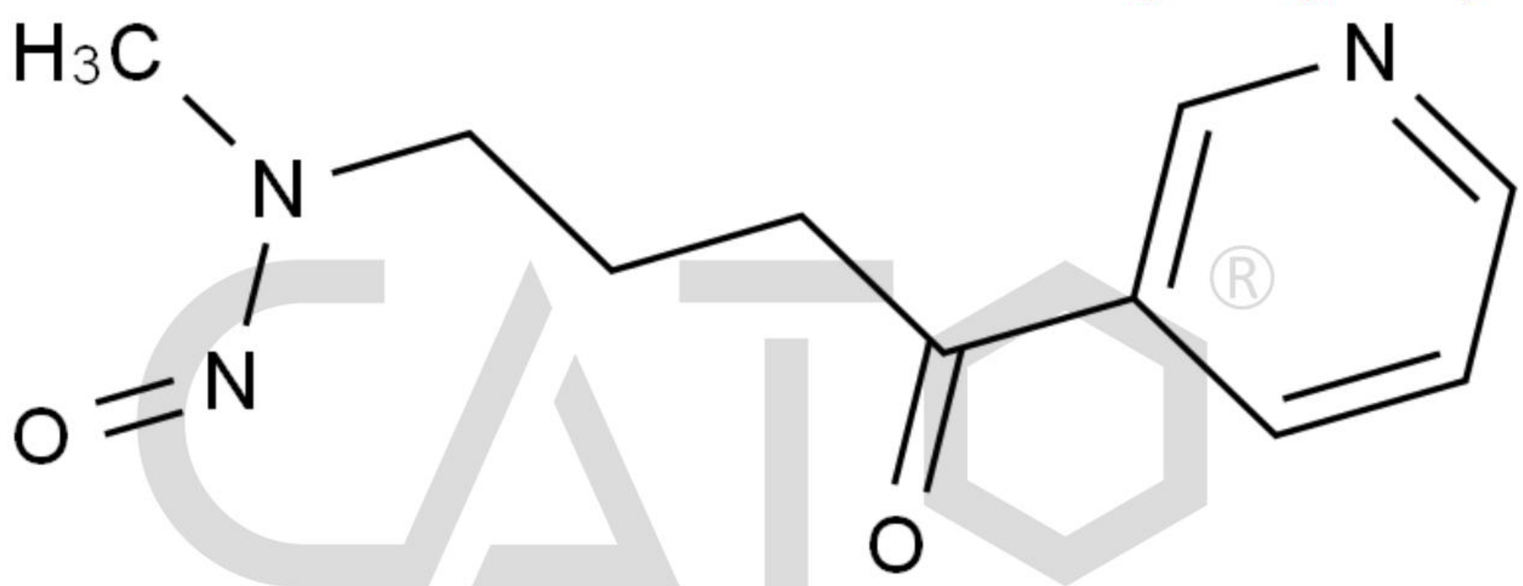
Reference Material & Standard

Product Name:	N-Nitrosonornicotine Ketone	**Catalogue Number:**	CWLT600588
Synonyms:	N/A	**Lot Number:**	0911-RG-0008
CAS Number:	64091-91-4	**Expiry Date:**	Sep 11, 2029
Molecular Formula:	$C_{10}H_{13}N_3O_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	207.23		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	0.0526%
Assay		99.9%
Uncertainty		±0.2%

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Comment:

1. 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.
2. 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:

Prepared by: Alice Date: Sep 12, 2025

Reviewed by: Lisa Date: Sep 12, 2025

Approved by General Manager: David Date: Sep 12, 2025

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