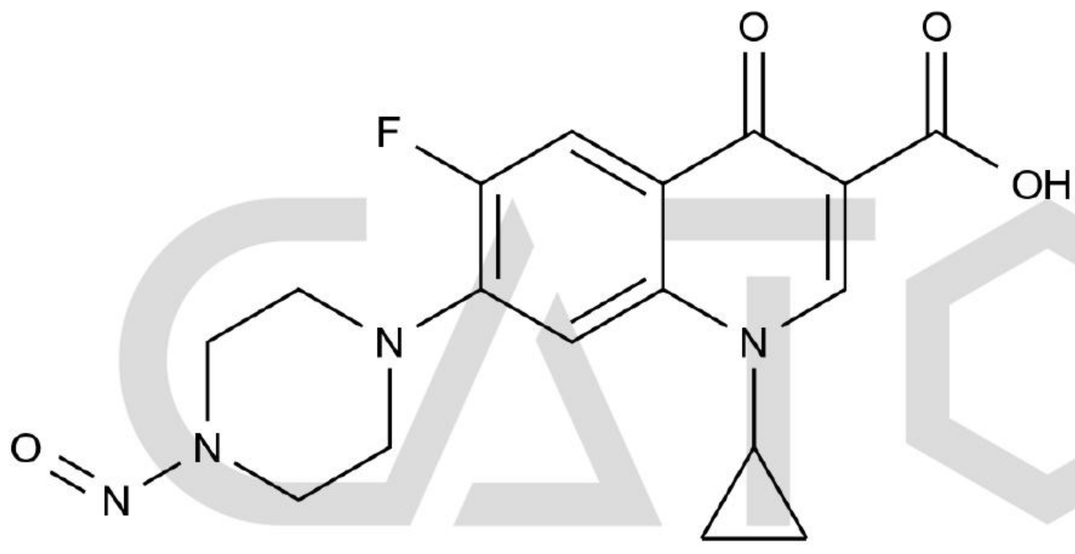
Certificate of Analysis

Reference Material & Standard

Product Name:	N-Nitroso Ciprofloxacin	**Catalogue Number:**	CP150099
Synonyms:	N/A	**Lot Number:**	0708-RH-0039
CAS Number:	864443-44-7	**Expiry Date:**	Jul 09, 2030
Molecular Formula:	$C_{17}H_{17}FN_4O_4$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	360.34	**Shipping Condition:**	Shipping with Ice Packs
Solubility:	DMSO	**Warning:**	

Chemical Structure:



CATO Research Chemicals Inc.

Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.405%
Residue on Ignition	TGA	0.5741%
Loss on Drying	TGA	0.1735%
Assay	Mass Balance	97.7%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koji — Date: Nov 17, 2026

Reviewed by: Lisa — Date: Nov 17, 2026

Approved by General Manager: David — Date: Nov 17, 2026

CATO Research Chemicals Inc.