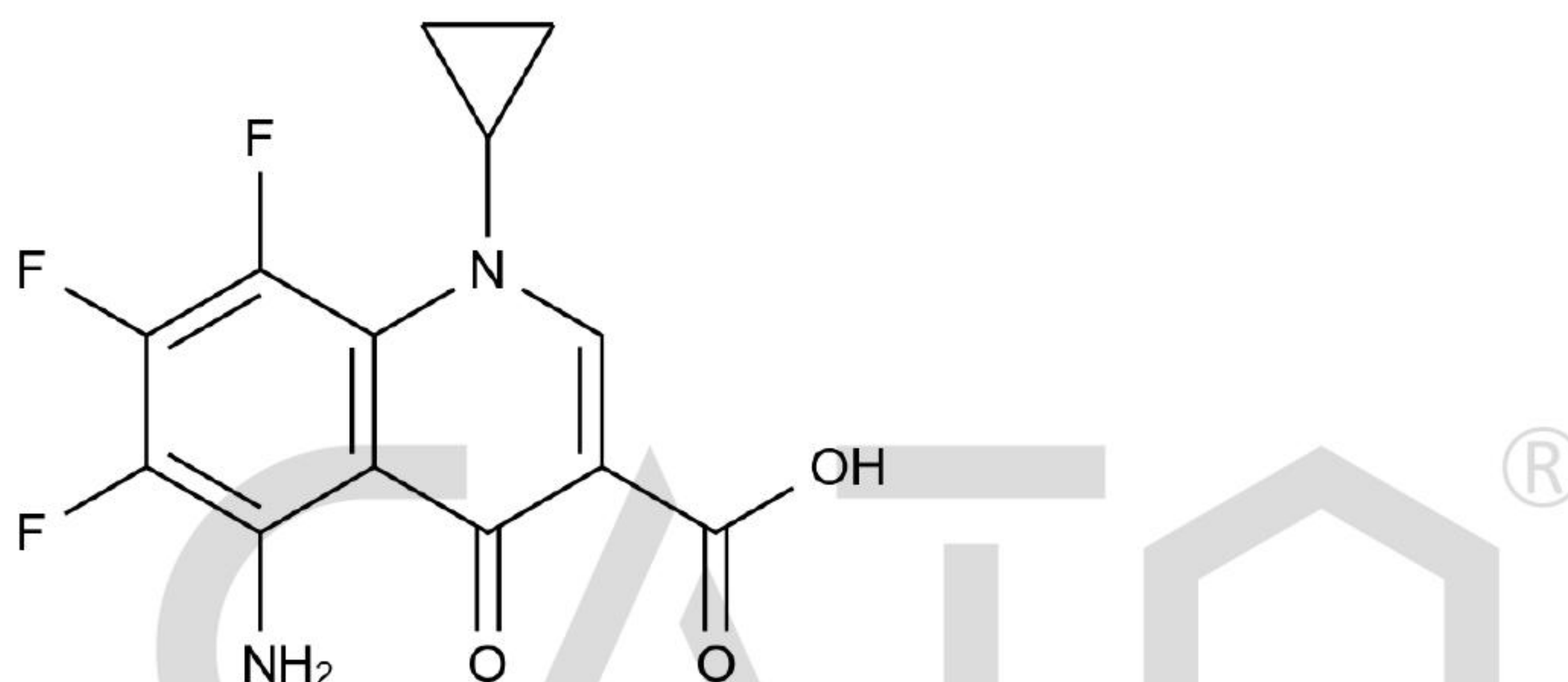


Certificate of Analysis

Reference Material & Standard

Product Name:	Sparfloxacin Impurity 2	Catalogue Number:	C4X-21132
Synonyms:	N/A	Lot Number:	0126-RF-0008
CAS Number:	103772-14-1	Expiry Date:	Jan 21, 2027
Molecular Formula:	C ₁₃ H ₉ F ₃ N ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	298.22		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.9153%
Water Content	Karl Fischer	0.10%
Residual Solvents	NMR	0.7% dichloromethane
Assay		98.1%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hin Lam

Aproved by General Manager:

David

Date: Jan 29, 2024

Date: Jan 29, 2024

Date: Jan 29, 2024

