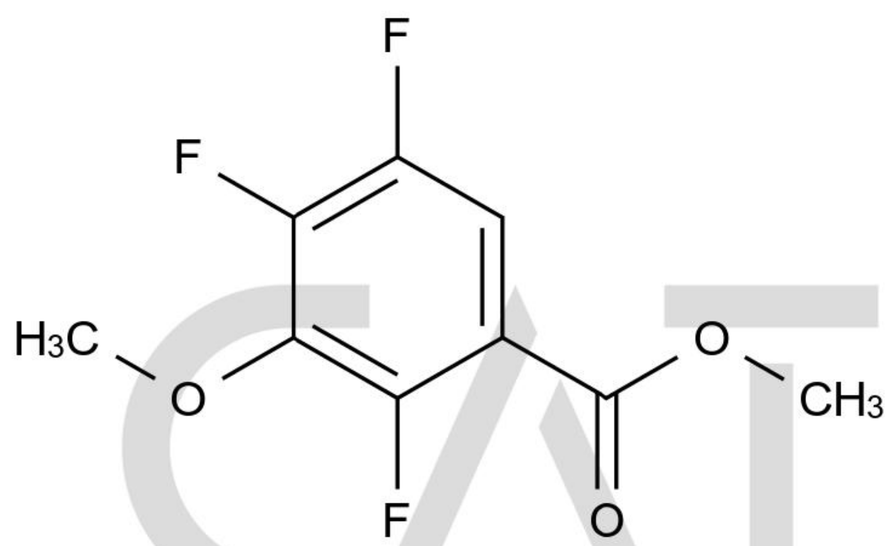
Certificate of Analysis

Reference Material & Standard

Product Name:	Gatifloxacin Impurity 22	**Catalogue Number:**	C4X-125322
Synonyms:	N/A	**Lot Number:**	0602-RH-0047
CAS Number:	136897-64-8	**Expiry Date:**	Jun 08, 2030
Molecular Formula:	$C_9H_7F_3O_3$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	220.15	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.631%
Water Content	Karl Fischer	0.4204%
Assay		99.2%

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Comment:

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

Signature:

Prepared by: Alice — Date: Jun 09, 2026

Reviewed by: Koi — Date: Jun 09, 2026

Approved by General Manager: David — Date: Jun 09, 2026

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ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

ISO 9001:2000 SGS

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