

Certificate of Analysis

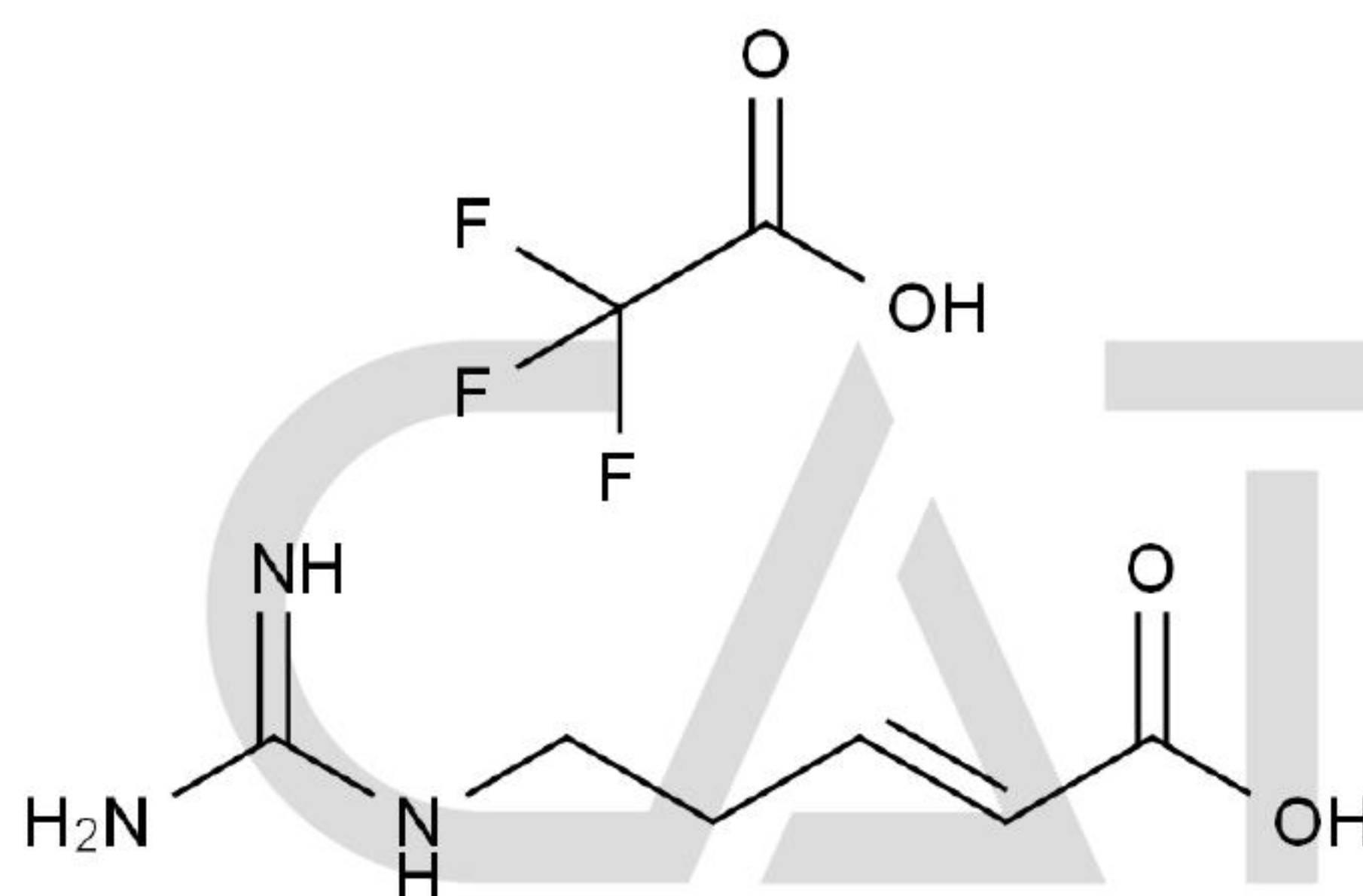
Reference Material & Standard

Product Name:	Arginine Impurity 1	Catalogue Number:	C4X-24241
Synonyms:	N/A	Lot Number:	0615-RH-0067
CAS Number:	2408930-69-6(free base)	Expiry Date:	Jun 11, 2030
Molecular Formula:	C ₆ H ₁₁ N ₃ O ₂ C ₂ HF ₃ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	157.17 114.02	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.5294%
Loss on Drying	TGA	0.601%
Assay		96.9%

Comment:

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.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Jun 16, 2026

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Add: