

Certificate of Analysis

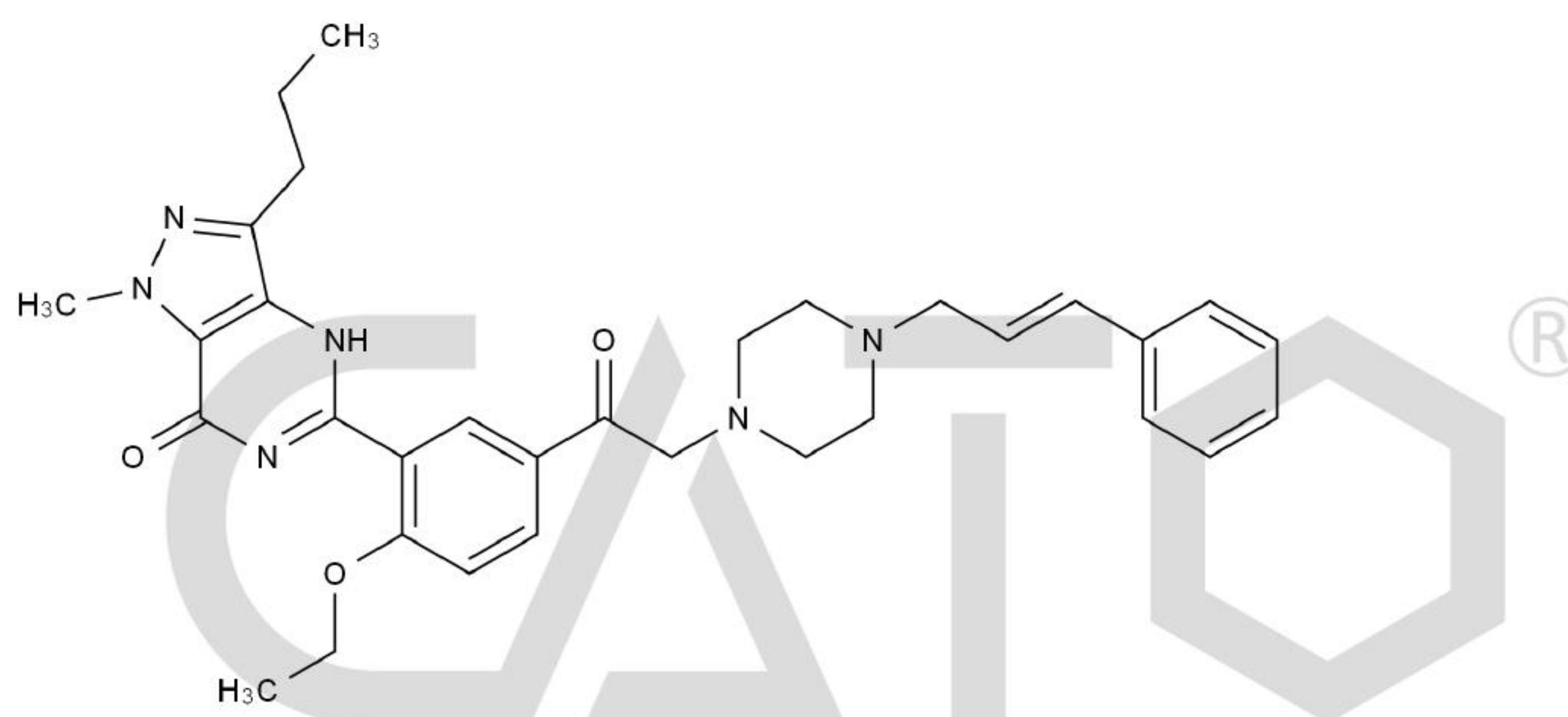
Reference Material & Standard

Product Name:	(E)-Cinnamylidenafil	Catalogue Number:	CCAD302421
Synonyms:	N/A	Lot Number:	0210-RD-0045
CAS Number:	1446089-83-3	Expiry Date:	Feb 23, 2024
Molecular Formula:	C ₃₂ H ₃₈ N ₆ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	554.68	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.6769%
Water Content	Karl Fischer	0.3%
Residual Solvents	NMR	Not detected in NMR
Assay		99.4%
Uncertainty		±2.0%

Comment:

1. The calculation of the mass balance 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.

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.

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Date: Feb 15, 2022

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Page 1 of 7



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