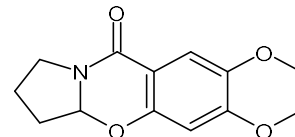


# Certificate of Analysis



## Product Identification

Catalog number	HB1568
Compound name	CX 614
Chemical name	2,3,6a,7,8,9-Hexahydro-11H-1,4-dioxino[2,3-g]pyrrolo[2,1-b][1,3]benzoxazin-11-one, 2H,3H,6aH-Pyrrolidino[2",1"-3',2']1,3-oxazino[6',5'-5,4]benzo[e]1,4-dioxan-10-one
Basic molecular formula	C <sub>13</sub> H <sub>13</sub> NO <sub>4</sub>
Basic molecular weight	247.25
Batch number	E3053-1-1
Batch molecular formula	C <sub>13</sub> H <sub>13</sub> NO <sub>4</sub>
Batch molecular weight	247.25
Origin	Synthetic



## Chemical Structure

## Method

## QC requirement

## QC Result

HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.4%
NMR	<sup>1</sup> H NMR in CDCl <sub>3</sub> at 400 MHz consistent with structure	Meets specification
Mass spectrum	EI analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 70% EtOAc / i-hexane shows one spot under UV or KMnO <sub>4</sub>	Meets specification: R <sub>F</sub> : 0.3
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (100 mM) and in EtOH (100 mM)	Meets specification

Produced by Anna Mogford

Signature *Anna Mogford*

Passed by Steve Roome

Signature *Steve Roome*

Date 16/09/2025

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.