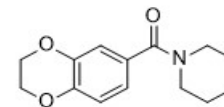


Certificate of Analysis



Product Identification

Catalog number	HB0219
Compound name	CX 546
Chemical name	(2,3-Dihydro-1,4-benzodioxin-6-yl)-1-piperidinylmethanone
Basic molecular formula	$C_{14}H_{17}NO_3$
Basic molecular weight	247.29
Batch number	E3026-1-5
Batch molecular formula	$C_{14}H_{17}NO_3 \cdot 0.1H_2O$
Batch molecular weight	249.09
Origin	Synthetic



Chemical Structure

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	1H NMR in $CDCl_3$ at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray negative analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 30% EtOAc/hexanes shows one spot under UV	Meets specification: $R_F = 0.36$
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 03/09/2025

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