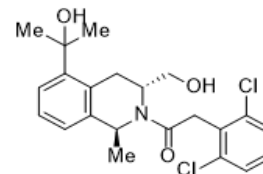


# Certificate of Analysis



## Product Identification

Catalog number	HB15406
Compound name	DETQ
Chemical name	2-(2,6-dichlorophenyl)-1-((1S,3R)-3-(hydroxymethyl)-5-(2-hydroxypropyl)-2-yl)-1-methyl-3,4-dihydroisoquinolin-2(1H)-yl)ethan-1-one
Basic molecular formula	C <sub>22</sub> H <sub>25</sub> Cl <sub>2</sub> NO <sub>3</sub>
Basic molecular weight	422.30
Batch number	E2789-4-14
Batch molecular formula	C <sub>22</sub> H <sub>25</sub> Cl <sub>2</sub> NO <sub>3</sub>
Batch molecular weight	422.35
Origin	Synthetic



## Method

## QC requirement

## QC Result

HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 98.7%
NMR	<sup>1</sup> H NMR in CDCl <sub>3</sub> at 400 MHz consistent with structure	Meets specification
Mass spectrum	Maldi positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 50% EtOAc/hexanes shows one spot under UV	Meets specification: R <sub>f</sub> = 0.29
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 Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

20/08/2025

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