

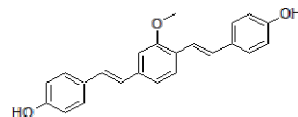
# Certificate of Analysis



## Product Identification

**Catalog number** HB5252  
**Compound name** Methoxy-X04  
**Chemical name** 4,4'-[(2-methoxy-1,4-phenylene)di-(1E)-2,1-ethenediy]bisphenol

**Batch number** E2390-1-3  
**Batch molecular formula** C<sub>23</sub>H<sub>20</sub>O<sub>3</sub>·0.1H<sub>2</sub>O  
**Batch molecular weight** 346.21



## Chemical Structure

## Method

## QC requirement

## QC Result

<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 99.6%
<b>NMR</b>	<sup>1</sup> H NMR in DMSO at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	APCI positive analysis consistent with structure	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>TLC</b>	TLC analysis in 4% MeOH/DCM shows one spot under uv	Meets specification: R <sub>f</sub> =0.5
<b>Physical appearance</b>	Yellow to orange solid	Meets specification: Yellow solid
<b>Solubility</b>	Soluble in DMSO (100 mM) and in ethanol (20 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

18/10/2023

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