

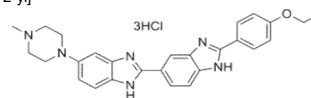
# Certificate of Analysis



## Product Identification

**Catalog number** HB0787  
**Compound name** Hoechst 33342  
**Chemical name** 2-(4-ethoxyphenyl)-6-[6-(4-methylpiperazin-1-yl)-1H-benzimidazol-2-yl]-1H-benzimidazole  
**Batch number** E2521-1-1  
**Batch molecular formula** C<sub>27</sub>H<sub>28</sub>N<sub>6</sub>O<sub>3</sub>·3HCl  
**Batch molecular weight** 561.94

## Chemical Structure



## Method

## QC requirement

## QC Result

<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
<b>NMR</b>	1H NMR consistent with structure	Meets specification
<b>Mass Spec</b>	MS analysis consistent with structure	Meets specification
<b>UV</b>	Lambda maxima measured at 355, 272, and 239 nm	Meets specification
<b>IR spectroscopy</b>	IR spectrum consistent with structure	Meets specification

Produced by

Signature

Passed by

Signature

Date

22/01/2024

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