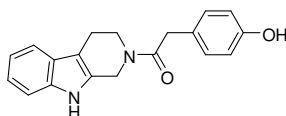




## Certificate of Analysis

**Axon Catalogue ID:** 3789 **Batch Number:** 1  
**Product Name:** YH-306  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 1-(3,4-Dihydro-1H-pyrido[3,4-b]indol-2(9H)-yl)-2-(4-hydroxyphenyl)ethanone

**Structure:**



**Amount:**

**CAS number(s):** 1373764-75-0  
**Molecular Formula:** C<sub>19</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub> **Molecular Weight:** 306.36  
**Batch Molecular Formula:** C<sub>19</sub>H<sub>18</sub>N<sub>2</sub>O<sub>2</sub>·0.1H<sub>2</sub>O **Batch Molecular Weight:** 308.16  
**Appearance:** Brown solid **Observed mp:** >251 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.7 DCM/MeOH (9:1)  
**Chemical Purity:** 99.1%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 74.05, H 5.95, N 9.09; Found: C 73.91, H 5.95, N 9.08  
**Storage Conditions:** Desiccate at -20 °C

| <b>Solubility Data:</b> | <b>Solvent</b> | <b>Solubility (mg/ml)</b> | <b>Solubility (mM)</b> | <b>Remarks</b>   |
|-------------------------|----------------|---------------------------|------------------------|------------------|
|                         | Water          | 0.0                       | 0.0                    | Insoluble        |
|                         | 0.1N NaOH (aq) | 0.0                       | 0.0                    | Insoluble        |
|                         | 0.1N HCl (aq)  |                           |                        | Not Tested       |
|                         | DMSO           | 30.8                      | >100 mM                |                  |
|                         | EtOH           | 9.2                       | 29.9                   | * Warming (40°C) |

**Remarks:** \* Warming (40°C) enhanced solubility.

**QC Date:** 23-12-2022

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to [info@axonmedchem.com](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**