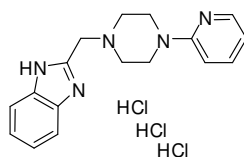




## Certificate of Analysis

**Axon Catalogue ID:** 1250 **Batch Number:** 1  
**Product Name:** ABT 724 trihydrochloride  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 2-(4-Pyridin-2-yl-piperazin-1-ylmethyl)-1H-benzimidazole trihydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 70006-24-5 (parent), 587870-77-7 (HCl (1:3))  
**Molecular Formula:** C<sub>17</sub>H<sub>19</sub>N<sub>5</sub>.3HCl **Molecular Weight:** 402.75  
**Batch Molecular Formula:** C<sub>17</sub>H<sub>19</sub>N<sub>5</sub>.3HCl **Batch Molecular Weight:** 402.75  
**Appearance:** White solid **Observed mp:** 232 - 234 °C  
**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH (20:1)  
**Chemical Purity:** 99.7%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 50.70, H 5.51, N 17.39; Found: C ND, H ND, N ND  
**Storage Conditions:** Store at +4 °C

| Solubility Data: | Solvent        | Solubility (mg/ml) | Solubility (mM) | Remarks    |
|------------------|----------------|--------------------|-----------------|------------|
|                  | Water          | 40.0               | 99.3            |            |
|                  | 0.1N NaOH (aq) |                    |                 | Not Tested |
|                  | 0.1N HCl (aq)  |                    |                 | Not Tested |
|                  | DMSO           |                    |                 | Not Tested |
|                  | EtOH           |                    |                 | Not Tested |

**Remarks:**

**QC Date:** 05-12-2018

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**