



Certificate of Analysis

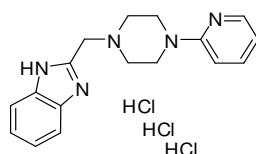
Axon Catalogue ID: 1250 **Batch Number:** 2

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: C₁₇H₁₉N₅.3HCl **Molecular Weight:** 402.75

Batch Molecular Formula: C₁₇H₁₉N₅.3HCl **Batch Molecular Weight:** 402.75

Appearance: White solid **Observed mp:** 235 - 237 °C

TLC (R_f): 0.5 DCM/MeOH (20:1)

Chemical Purity: 99.5%

Optical Purity (ee): N.A.

¹H-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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only