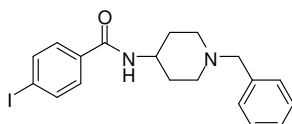


## Certificate of Analysis

**Axon Catalogue ID:** 2919 **Batch Number:** 1  
**Product Name:** 4-IBP  
**Alternative Name(s):** NSC 667672  
**IUPAC Name:** N-(1-Benzylpiperidin-4-yl)-4-iodobenzamide

**Structure:**



**Amount:**

**CAS number(s):** 155798-08-6  
**Molecular Formula:** C<sub>19</sub>H<sub>21</sub>N<sub>2</sub>O **Molecular Weight:** 420.29  
**Batch Molecular Formula:** C<sub>19</sub>H<sub>21</sub>N<sub>2</sub>O **Batch Molecular Weight:** 420.29  
**Appearance:** White solid **Observed mp:** 201 - 204 °C  
**TLC (R<sub>f</sub>):** 0.45 DCM/MeOH (9:1)  
**Chemical Purity:** 98.9%  
**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 54.30, H 5.04, N 6.67; Found: C 54.37, H 5.18, N 6.60  
**Storage Conditions:** Store at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	14.4	34.3	Warming to 40 °C enhances solubility
EtOH			Not Tested

**Remarks:** Electrostatic

**QC Date:** 15-01-2019

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**