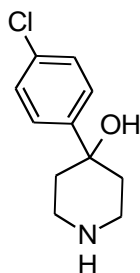


## Certificate of Analysis

**Structure:**



Name	4-(4-chlorophenyl)piperidin-4-ol
BP Name	Loperamide Impurity C
Synonym(s)	4-(4-chlorophenyl)-4-hydroxypiperidine, Haloperidol metabolite I
Epichem Item #	EPL-AA155 Batch 1
CAS #	39512-49-7
Molecular Formula	C <sub>11</sub> H <sub>14</sub> ClNO
Molecular Weight	211.69 g/mol
Purity	99.7% (weight/weight) 99.8% at 220 nm by HPLC (assuming all components detected with the same response factor). <sup>1</sup> H NMR analysis showed no significant impurities. 0.12% water by Karl-Fischer method. 0.01% ash.
Combustion Analysis	Required (%): C:62.4; H:6.7; N:6.6. Found (%): C: 62.6; H: 6.8; N: 6.6.
Appearance	Off-white powder
Melting Point	140.5-143.0°C
Date of Manufacture	31 October 2014
Storage Requirements	Protect from heat, light and moisture
Special Precautions	<b>This compound is for laboratory use only. Its toxicological properties may not have been fully established. It should be handled only by suitably qualified personnel.</b>