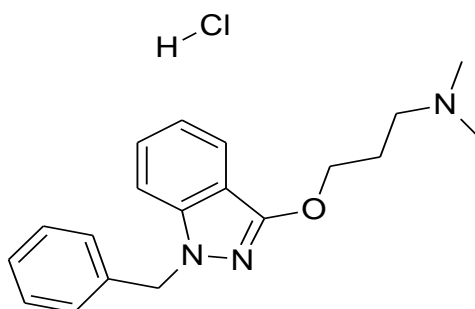


## Certificate of Analysis

**Structure:**



Name	Benzydamine hydrochloride
Synonym(s)	3-[(1-benzyl-1H-indazol-3-yl)oxy]-N,N-dimethylpropan-1-amine hydrochloride
Epichem Item #	EPL-AA144 Batch 1
CAS #	132-69-4
Molecular Formula	C <sub>19</sub> H <sub>23</sub> N <sub>3</sub> O.HCl
Molecular Weight	345.88 g/mol
Purity	98.9% (weight/weight) 99.6% by HPLC at 220 nm (assuming all components detected with the same response factor). Contains 0.2% 2-propanol by <sup>1</sup> H NMR analysis. 0.5% water by Karl Fischer method. 0.02% ash.
Combustion Analysis	Required (%): C:66.0; H:7.0; N:12.2. Found (%): C:65.9; H:7.0; N:12.1.
Appearance	White powder
Melting Point	157.1-158.1 °C
Date of Manufacture	23 December 2013
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>

Wayne Best, PhD  
 Managing Director  
 2 February 2014