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**Product Name:** Tiotropium Bromide  
**Catalog Number:** BCC2000  
**Batch Number:** KLKH12b01

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## 1. PHYSICAL AND CHEMICAL PROPERTIES

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**Molecular Formula:** C<sub>19</sub>H<sub>22</sub>BrNO<sub>4</sub>S<sub>2</sub>  
**Molecular Weight:** 472.42  
**Purity:** >98%  
**Cas Number:** 136310-93-5

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## 2. ANALYTICAL DATA

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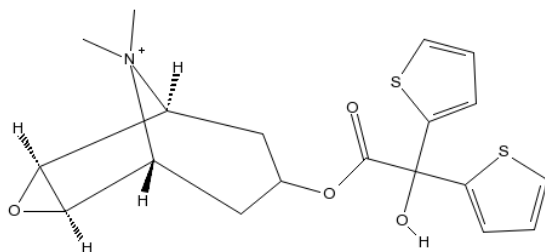
**HPLC:** Shows >98% purity  
**NMR:** Consistent with structure

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## 3. CHEMICAL STRUCTURE

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Br<sup>-</sup>



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## 4. USAGE GUIDE

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**Storage:** Store the product in sealed, cool and dry condition.  
**General tips:** For obtaining a higher solubility, please warm the tube at 37 degrees Celsius (98.6 degrees Fahrenheit) and shake it in the ultrasonic bath for a while.

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**Authorized Signature:**

**Date:**