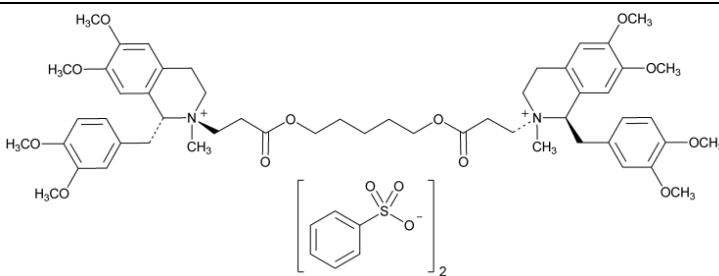
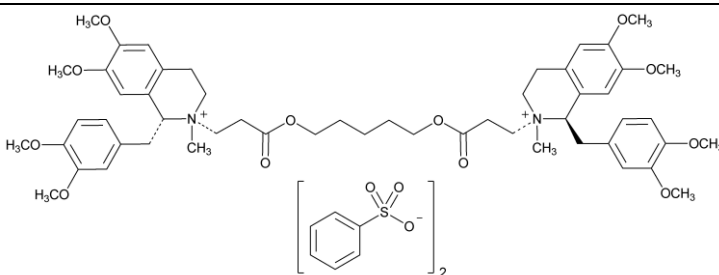
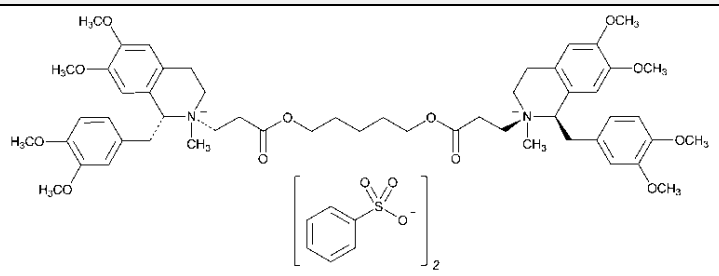


# Certificate

## CISATRACURIUM BESYLATE SYSTEM SUITABILITY MIXTURE

USP Catalog No.:	1134131
USP Lot No.:	F0M559

Only compendial components as listed in the monograph are shown below

<b>R-trans-R'-trans-Atracurium Besylate</b> <i>((1R,1'R,2S,2'S)-2,2'-(3,11-Dioxo-4,10-dioxatridecamethylene)bis(1,2,3,4-tetrahydro-6,7-dimethoxy-2-methyl-1-veratrylisoquinolinium) dibenzenesulfonate)</i>	
	CAS No.: n/a
	Molecular Formula: C <sub>65</sub> H <sub>82</sub> N <sub>2</sub> O <sub>18</sub> S <sub>2</sub>
	Molecular Weight: 1243.48
<b>R-cis-R'-trans-Atracurium Besylate</b> <i>((1R,1'R,2R,2'S)-2,2'-(3,11-Dioxo-4,10-dioxatridecamethylene)bis(1,2,3,4-tetrahydro-6,7-dimethoxy-2-methyl-1-veratrylisoquinolinium) dibenzenesulfonate)</i>	
	CAS No.: n/a
	Molecular Formula: C <sub>65</sub> H <sub>82</sub> N <sub>2</sub> O <sub>18</sub> S <sub>2</sub>
	Molecular Weight: 1243.48
<b>Cisatracurium Besylate</b> <i>((1R,2R)-2-(2-Carboxyethyl)-1,2,3,4-tetrahydro-6,7-dimethoxy-2-methyl-1-veratrylisoquinolinium benzenesulfonate, pentamethylene ester)</i>	
	CAS No.: 96946-42-8
	Molecular Formula: C <sub>65</sub> H <sub>82</sub> N <sub>2</sub> O <sub>18</sub> S <sub>2</sub>
	Molecular Weight: 1243.48

**LABEL TEXT**



**REFERENCE STANDARD**

**CISATRACURIUM BESYLATE  
SYSTEM SUITABILITY MIXTURE 20 mg**

Danger! Toxic if swallowed. Fatal in contact with skin.  
Causes eye irritation.



Keep container tightly closed. Store in a refrigerator.  
Protect from light. Hygroscopic.

USP, 12601 Twinbrook Pkwy, Rockville, MD, +1-301-881-0666  
CAT No. 1134131 Material mfd in United States  
**Intentionally over-labeled for GHS compliance**

For use with specified USP compendial tests. Not for use as a drug. See SDS prior to use at [www.usp.org/sds](http://www.usp.org/sds).

Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Wear protective gloves/protective clothing. If swallowed: Immediately call a poison center/doctor. Rinse mouth. If on skin: Wash with plenty of water. Immediately call a poison center/doctor. Take off immediately all contaminated clothing and wash it before reuse. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

*Jeri L. Joth*

*Quality Assurance*

**Calculation Value**

Unless otherwise stated on the Reference Standard label, a value of 100.0% should be used in the compendial applications for which the use of this Reference Standard is intended. Please refer to the specific Reference Standard label for further information.

**Expiration**

Current lots are identified in the current USP Catalog. In some cases, the previous lot may still be considered valid for use. If so, it is identified in the column marked "Previous Lot/Valid Use Date."

It is the responsibility of each user to determine that this lot is current or valid when used. For the most up-to-date information, please refer to the USP Store at [www.usp.org](http://www.usp.org).

**Instructions for Use**

Follow the instructions on the label of the USP Reference Standard and in the appropriate USP documentary standard(s).

**Non-Monograph Use**

The suitability of this Reference Standard for use in non-compendial applications is solely the responsibility of the user.

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