

Analysis Date: 18-04-2025

Re-test Date: 18-04-2028

ATRACURIUM BESYLATE IMPURITY I

Identification

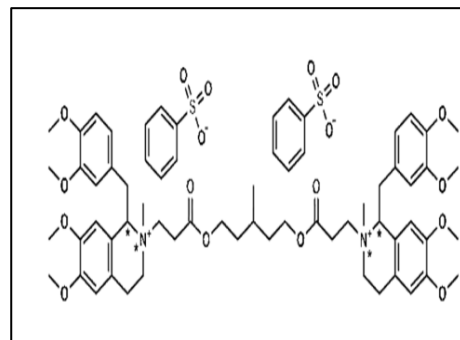
Chemical Name : 2,2'-[(3-Methylpentane-1,5-diyl)bis[oxy(3-oxopropane-1,3-diyl)]]bis[1-(3,4-dimethoxybenzyl)-6,7-dimethoxy-2-methyl-1,2,3,4-tetrahydroisoquinolinium] benzenesulfonate (as per EP)

CAT No : ALL-AT0001

CAS No : 64229-00-1 (free base) ;
2767988-78-1 (Diiodide salt)

Molecular Formula : C₅₄H₇₄N₂O₁₂ : 2(C₆H₅O₃S)

Molecular Weight : 943.2 : 2(157.2)



Analytical Information

Batch Code : ALL-AT0001

HPLC Purity : 98.08%

Solubility : METHANOL

Potency : 96.26%

Appearance of Product : Off White Solid

Mass : Confirm

Long Term Storage : 2-8°C

IR Analysis : Confirm

Weight Loss By TGA : 0.978 %

¹H NMR : Confirm

Residue Of Ignition : 0.873%

Additional Information

%Potency = [100 -(Inorganic Impurities % + Water %) × Chromatographic Purity%]/100 =

[100 – (0.978+ 0.873× 98.08)]/100= 96.26%

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Swapnil Kausatkar Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keche Director QA&QC	

Attachment : HPLC, Mass, ¹H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office

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