CERTIFICATE OF ANALYSIS

(Certificate No. KMO023017-01)

Release Date: 06/11/2026 **Re-test Date:** 05/11/2029

Olodaterol EP Impurity E

Identification

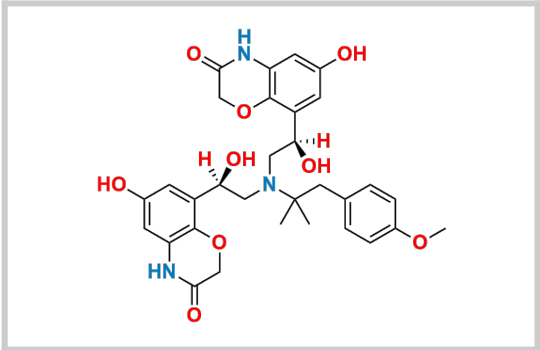
Chemical Name :
8,8'-((1R,1'R)-((1-(4-methoxyphenyl)-2-methylpropan-2-yl)azanediyl)bis(1-hydroxyethane-2,1-diyl))bis(6-hydroxy-2H-benzo[b][1,4]oxazin-3(4H)-one)

CAT No. : KMO023017

CAS No. : Not Available

Molecular Formula : C31H35N3O9

Molecular Weight : 593.6



Analytical Information

Batch No. : O023017-136-354

Description : Off White Solid

HPLC Purity : 90.86 %

Weight Loss By TGA : 0.80 %

% Potency : 90.13 %

Solubility : ACN : Water (70:30)

Mass : Confirm

IR : Confirm

1H NMR : Confirm

13C NMR : Confirm

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 0.80(Weight Loss By TGA)] x [90.86(HPLC Purity)]/100 = 90.13 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		06/11/2026
Reviewed & Approved By	Quality Control	Jatin Patel		06/11/2026

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA