

# CERTIFICATE OF ANALYSIS

(Certificate No. KMA003007-01)

Release Date: 22/11/2025

Re-test Date: 21/11/2028

## Acebutolol Impurity D

### Identification

**Chemical Name :**

1-[5-Amino-2-[(2RS)-2-hydroxy-3-[(1-methylethyl)amino]propoxy]phenyl]ethanone (as per EP)

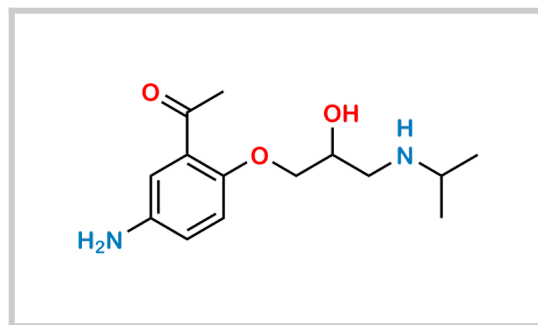
**Alt. Name** : rac N-Desbutyroyl Acebutolol ;  
Acetolol

**CAT No.** : KMA003007

**CAS No.** : 57898-80-3

**Molecular Formula** : C<sub>14</sub>H<sub>22</sub>N<sub>2</sub>O<sub>3</sub>

**Molecular Weight** : 266.3



### Analytical Information

**Batch No.** : ACE-IMP-D-030-071

**Solubility** : Acetonitrile

**Description** : Yellow solid

**Mass** : Confirm

**HPLC Purity** : 92.47 %

**IR** : Confirm

**Weight Loss By TGA** : 0.38 %

**<sup>1</sup>H NMR** : Confirm

**% Potency** : 92.12 %

### 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 - 0.38(Weight Loss By TGA)] x [92.47(HPLC Purity)]/100 = 92.12 %  
-Re-tested on 22.11.2025

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		24/11/2025
Reviewed & Approved By	Quality Control	Jatin Patel		24/11/2025

**Attachments** : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA