

# CERTIFICATE OF ANALYSIS

(Certificate No. KMD010001-01)

Release Date: 18/06/2024

Re-test Date: 17/06/2027

## Doxepin Related Compound A

### Identification

**Chemical Name :**  
dibenzo[b,e]oxepin-11(6H)-one

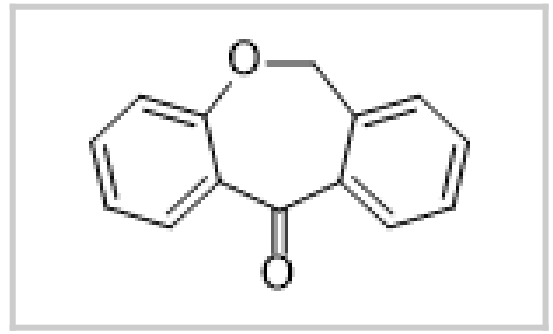
**Alt. Name** : Doxepin USP Related Compound A ;  
Doxepinone

**CAT No.** : KMD010001

**CAS No.** : 4504-87-4

**Molecular Formula** : C<sub>14</sub>H<sub>10</sub>O<sub>2</sub>

**Molecular Weight** : 210.23



### Analytical Information

**Batch No.** : DOX-EPA-073-264

**Solubility** : ACN

**Description** : Off White Solid

**Mass** : Confirm

**HPLC Purity** : 99.98 %

**IR** : Confirm

**Weight Loss By TGA** : 0.14 %

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

**% Potency** : 99.84 %

### 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 - 0.14(Weight Loss By TGA)] x [99.98(HPLC Purity)]/100 = 99.84 %

**Recommendation** : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/06/2024
Reviewed & Approved By	Quality Control	Jatin Patel		18/06/2024

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