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## CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2025

Re-test Date: Oct 2028

**Product Name: Adapalene EP Impurity A**

### Identification:

Chemical Name: 2,2'-Binaphthalene-6,6'-dicarboxylic acid (as per EP)

Synonyms : Adapalene USP Related  
Compound E

CAS Number : 932033-58-4

CAT Number : CP-A48001

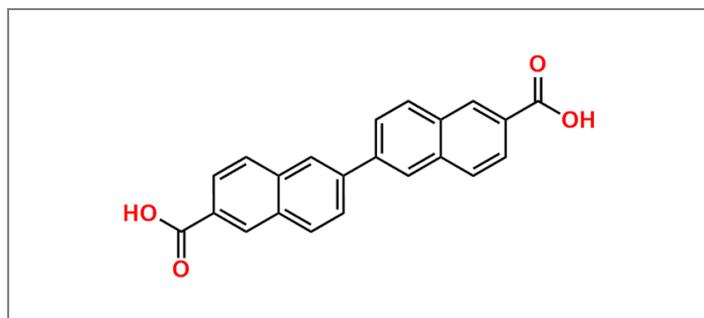
Molecular Formula : C<sub>22</sub>H<sub>14</sub>O<sub>4</sub>

Molecular Weight : 342.34

Batch Number : CP-ADA-A-1125

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



### Analytical Information:

Sr. No.	Test	Result
1)	Description	White to Off White Solid
2)	Solubility	Soluble in DMSO:ACN (3:7) Filter with 0.22 um filter
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	97.41%
5)	<sup>1</sup> H NMR	Confirm to structure
6)	<sup>13</sup> C NMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	0.165 %
9)	Potency by TGA	97.25%



**Prepared and Reviewed By**

A handwritten signature in blue ink, appearing to read "Priyanka Salunkhe".

Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**

A handwritten signature in blue ink, appearing to read "Rohini Gagare".

Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.