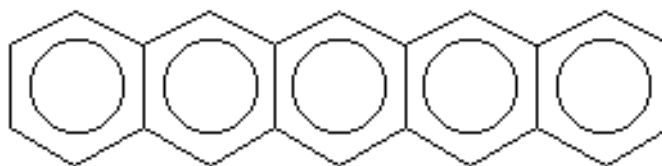


Pentacene

- **Formula:** C₂₂H₁₄
- **Molecular weight:** 278.35
- **IUPAC International Chemical Identifier:**
 - InChI=1/C22H14/c1-2-6-16-10-20-14-22-12-18-8-4-3-7-17(18)11-21(22)13-19(20)9-15(16)5-1/h1-14H
 - [Download the identifier in a file.](#)
- **CAS Registry Number:** 135-48-8
- **Chemical structure:**



This structure is also available as a [2d Mol file](#) or as a [computed 3d Mol file](#).

- **Other names:** Lin-Dibenzanthracene; Lin-Naphthoanthracene; Benzo[b]naphthacene; 2,3:6,7-Dibenzanthracene; 2,3,6,7-Dibenzanthracene
- **Information on this page:**
 - [UV/Visible Spectrum](#)
 - [References](#)
 - [Notes / Error Report](#)
- **Other data available:**
 - [Gas phase thermochemistry data](#)
 - [Phase change data](#)
 - [Gas phase ion energetics data](#)
 - [Mass Spectrum](#)
 - [Gas Chromatography](#)
- **Options:**
 - [Switch to calorie-based units](#)

UV/Visible Spectrum

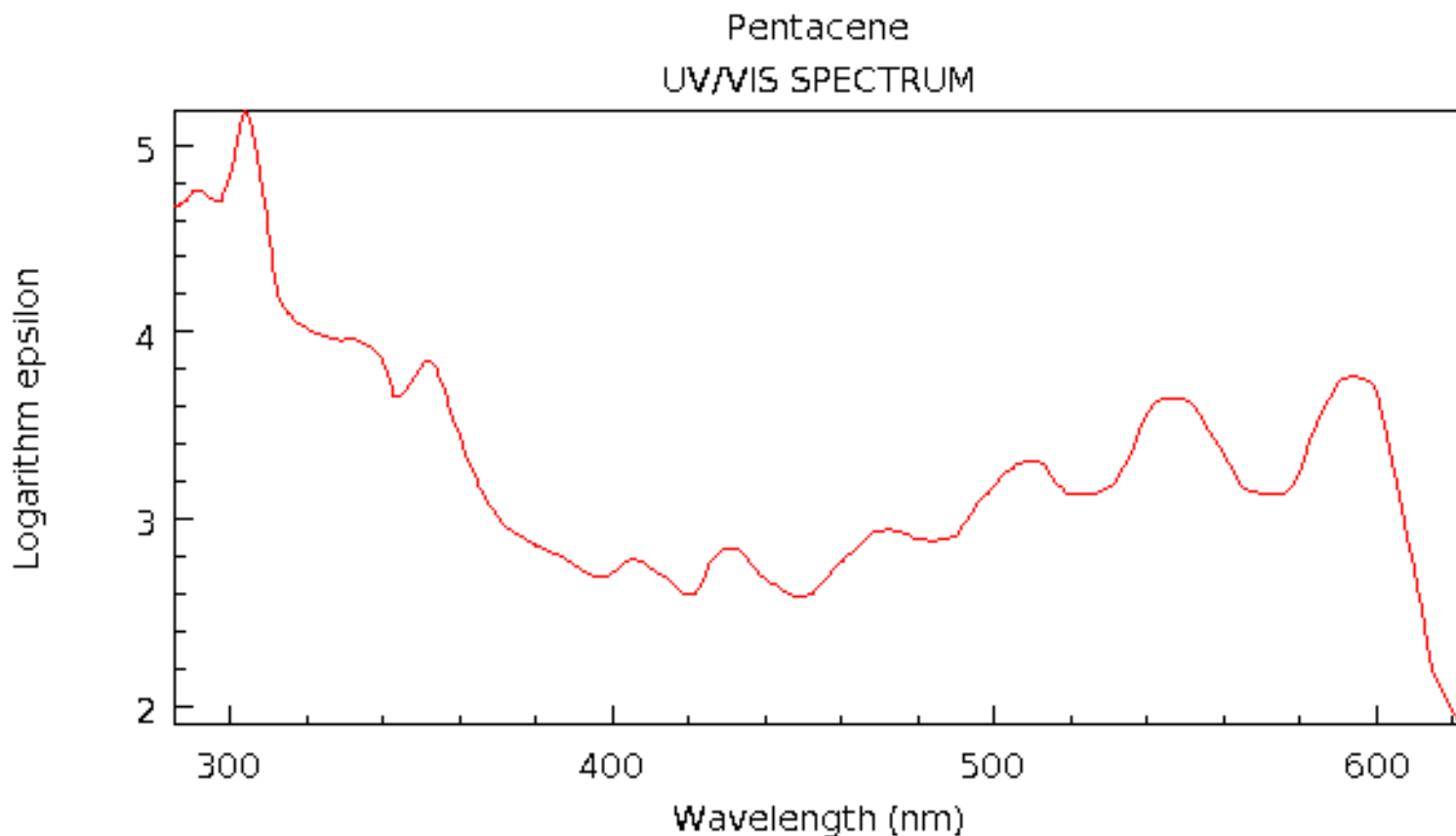
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Spectrum

Notice: This spectrum may be better viewed with a Java capable browser.



NIST Chemistry WebBook (<http://webbook.nist.gov/chemistry>)

For Zoom

- 1.) Enter the desired X axis range (e.g., 100 , 200)
- 2.) Check here for automatic Y scaling
- 3.) Press here to zoom

Additional Data

View [image of digitized spectrum](#) (can be printed in landscape orientation).

Download (or view) [spectrum image in SVG format](#).

Download [spectrum](#) in JCAMP-DX format.

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Origin	INSTITUTE OF ENERGY PROBLEMS OF CHEMICAL PHYSICS, RAS
Source reference	RAS UV No. 19821
Instrument	Zeiss M4Q
Melting point	> 300 dec

References

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Zander, 1967

[Zander, M.](#), UV atlas of organic compounds, 1967, 3, E4/1. [\[all data\]](#)

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