**Non covalent interactions and molecular docking studies on morphine compound**

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| **Figure S1:** The crystal packing representation of morphine compound. |

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| C:\Users\Samsung\Desktop\Multiwfn_3.8_dev_bin_Win64\dislin_2.png |
| **Figure S2:** The ELF surface projection effect of the title compound. |

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| C:\Users\Abir\Desktop\Image1.png |
| **Figure S3:** The dnorm, di, de, shape index and curvedness Hirshfeld surface plots. |

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| C:\Users\Samsung\Desktop\Présentation1.png |
| **Figure S4:** The fingerprint plots of each contribution along with the different percentages. |