

## Supporting Materials

### Synthesis of (Z)-3-allyl-5-(4-nitrobenzylidene)-2-sulfanylidene-1,3-thiazolidin-4-one and determination of its crystal structure.

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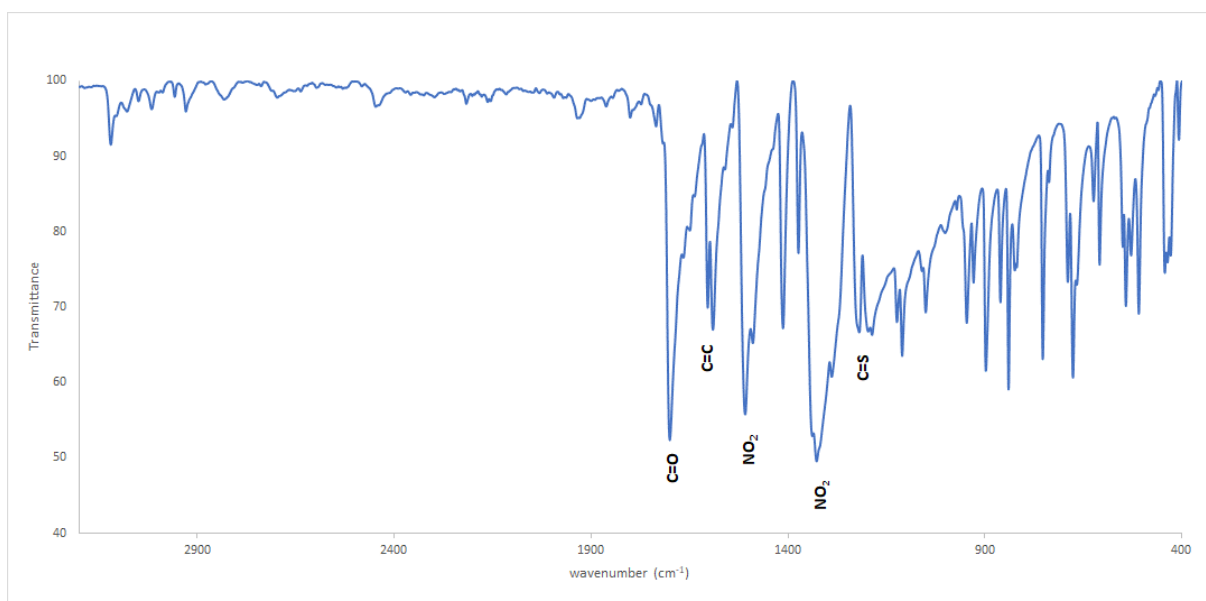


Figure S1. IR(ATR) spectra of compound 2 at 298 K.

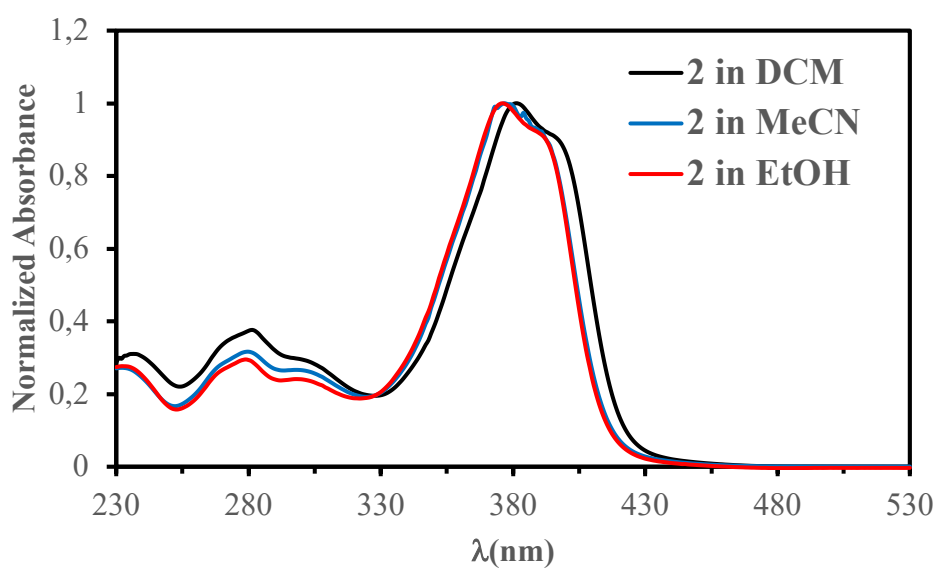


Figure S2. Normalized absorption spectra recorded in DCM (black), MeCN (blue), and EtOH (red) of compound 2 at 298 K.

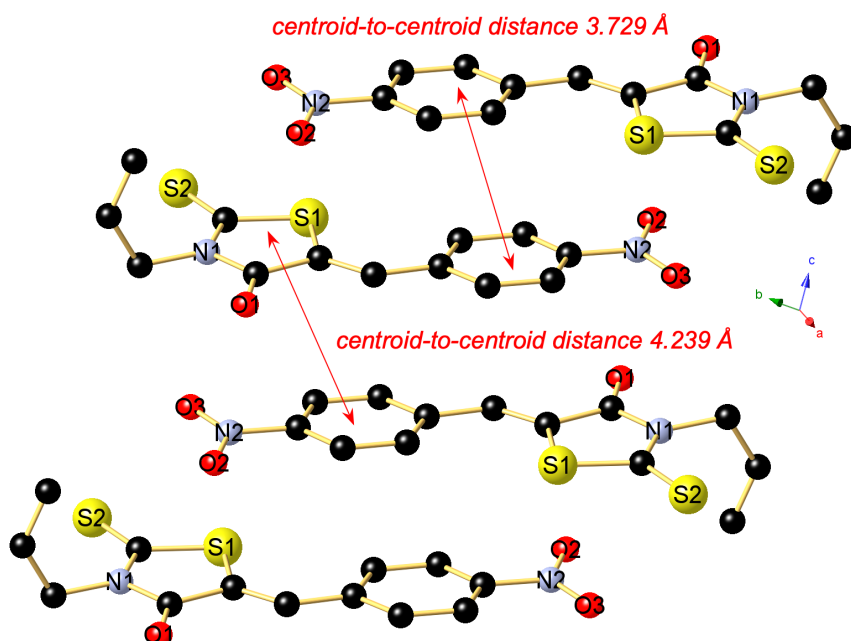


Figure S3. Representation of the intermolecular stacking interaction occurring in 2.

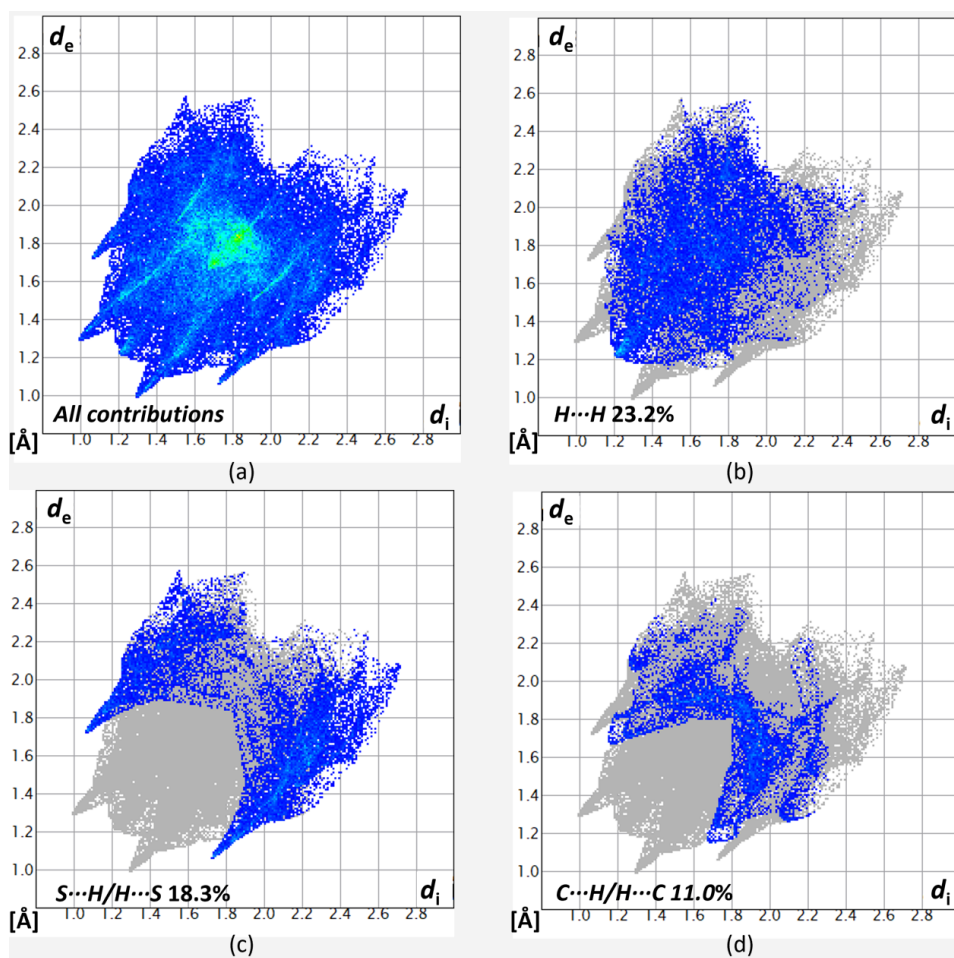


Figure S4. 2D fingerprint plots of 2 for all contributions and decomposed into type of contacts with their percentage of contribution to the Hirshfeld surface area.