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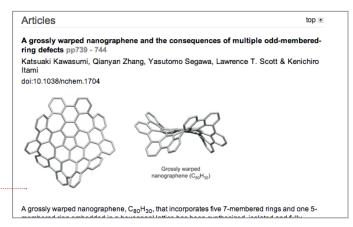
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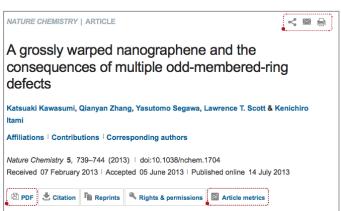
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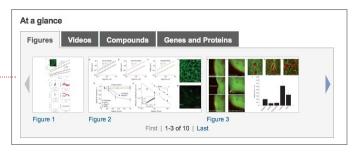
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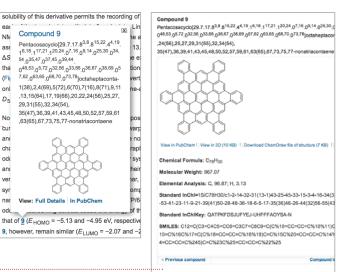
Compound information page

Allows users to view downloadable chemical structure files, 3D structures, chemical formula, molecular weight, chemical identifiers and other chemical information.









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Addition of synthetic procedures to the compound page

From the compound page the synthetic procedure allows the user see the procedure for making the compound and any characterization data from the Supplementary Information.

Synthetic Procedure: See article for the definitive version of this procedure and for full experiment

To a solution of pentakis(o-biphenylyl)corannulene (2: 10 mg, 10 μ mol, 1.0 equiv) in dry CH₂Cl₂ (1. none (DDQ: 23 mg, 0.1 mmol, 10 equiv) at 0 °C. After stirring for 5 min, trifluoromethanesulfonic ac was further stirred for 30 min at 0 °C. The reaction mixture was neutralized with sat. NaHCO₃ aq., a organic phase was dried over MgSO₄ and the organic solvent was removed under reduced pressur thane and incubated at 100 °C for 30 min. The thus-obtained precipitate was collected by filtration a C₈₀H₃₀ (4: 4.9 mg, 50% yield) as a yellow powder. 1 H NMR (400 MHz, C₂D₂Cl₄/AsCl₃ = 1:1, 100 °C 10H), 7.40 (d, J = 7.6 Hz, 1H); 13 C NMR (100MHz, C₂D₂Cl₄/AsCl₃ = 1:1, 100 °C) 139.2 (4°), 133.8 122.5 (CH). HRMS (MALDI-TOF) m/z calcd for C₈₀H₃₀ [M¹): 990.2348, found: 990.2347. Mp: >300

Reference linking

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References

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