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Synthesis and biological evaluation of (1-aryl-1*H*-pyrazol-4-yl) (3,4,5-trimethoxyphenyl)methanone derivatives as tubulin inhibitors

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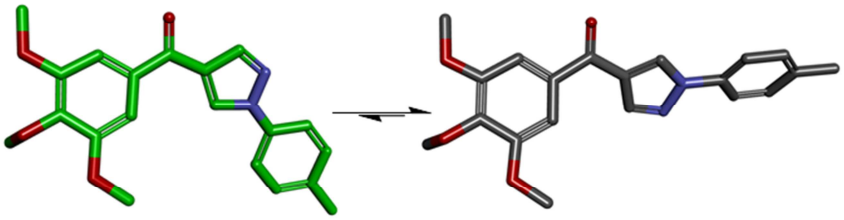
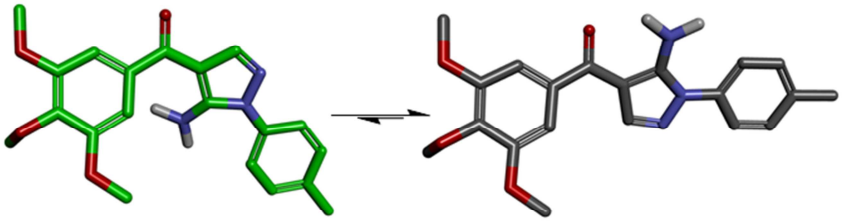
Active compound **9c**
A549: 0.11 μM
HT-1080: 0.16 μM
SGC-7901: 0.054 μM



Bent conformation: 29.2% Straight conformation: 70.8%

Inactive compound **8c**
A549: 20.6 μM
HT-1080: >30 μM
SGC-7901: 29.6 μM



Bent conformation: < 0.1% Straight conformation: > 99.9%

Estimated proportion of two conformations (DFT calculation)

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