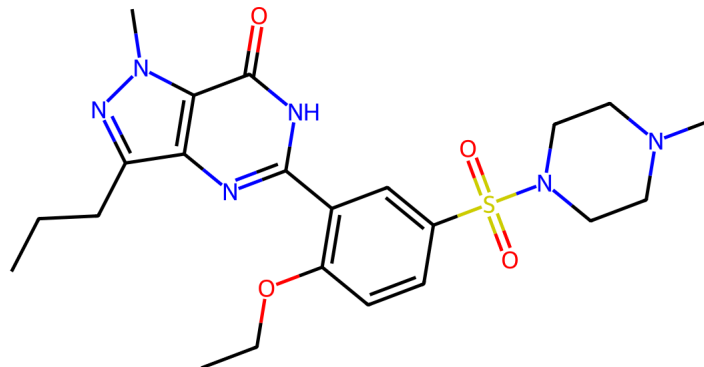


# Thermal Hazard Assessment Report

## Sildenafil



### Properties:

SMILES: CCCC1=NN(C2=C1N=C(NC2=O)C3=C(C=CC(=C3)S(=O)(=O)N4CCN(CC4)C)OCC)C

Name: Sildenafil

Formular: C<sub>22</sub>H<sub>30</sub>N<sub>6</sub>O<sub>4</sub>S

mp: None to None

### Results:

High Energy Groups = 0

Explosive Groups = 0

Rule of Six = -22

Oxygen Balance = -185.42

Q<sub>DSC</sub> = 770.26 J g<sup>-1</sup>

T<sub>onset</sub> = 90.14 °C

T<sub>init</sub> = 74.62 °C

Impact Sensitivity = 0.31

Explosive Propagation = 0.08

T<sub>D24</sub> = 6.2 °C

| <5 g       | 5 to 100 g | 100 to 500 g  | >500 g        |
|------------|------------|---------------|---------------|
| Low Hazard | Low Hazard | Medium Hazard | Medium Hazard |

### Interpretation:

This is my assessment of the molecule

On balance:

Confrimed to be deadly