

## EWP 815

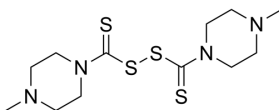
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Cat. No.: HY-148001  
CAS No.: 20231-01-0  
Batch No.: 261011  
Chemical Name: Piperazine, 1,1'-(dithiodicarbonothioyl)bis[4-methyl-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>12</sub>H<sub>22</sub>N<sub>4</sub>S<sub>4</sub>  
Molecular Weight: 350.59  
Storage: 4°C, protect from light  
\* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)

### Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
LCMS: Consistent with structure  
Purity (LCMS): 98.25%  
Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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