

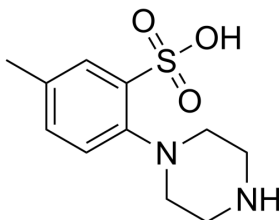
## Caldaret

Cat. No.: HY-100298  
 CAS No.: 133804-44-1  
 Batch No.: 291581  
 Chemical Name: Benzenesulfonic acid, 5-methyl-2-(1-piperazinyl)-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{11}H_{16}N_2O_3S$   
 Molecular Weight: 256.32  
 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 light yellow (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
 LCMS: Consistent with structure  
 Purity (HPLC): 98.35%  
 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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