

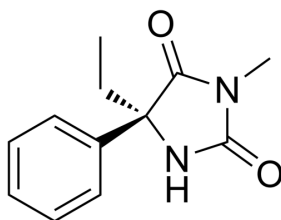
## (S)-Mephenytoin

Cat. No.: HY-B1184A  
CAS No.: 70989-04-7  
Batch No.: 133124  
Chemical Name: 2,4-Imidazolidinedione, 5-ethyl-3-methyl-5-phenyl-, (5S)-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>O<sub>2</sub>  
Molecular Weight: 218.25  
Storage: Powder -20°C 3 years  
In solvent -80°C 6 months  
-20°C 1 month

### Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
LCMS: Consistent with structure  
Enantiomeric Excess: 100%  
Purity (LCMS): 99.81%  
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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