

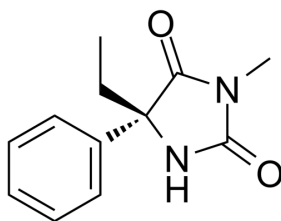
## (R)-Mephenytoin

Cat. No.: HY-126043  
CAS No.: 71140-51-7  
Batch No.: 133126  
Chemical Name: 2,4-Imidazolidinedione, 5-ethyl-3-methyl-5-phenyl-, (5R)-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{12}H_{14}N_2O_2$   
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)  
 $^1H$  NMR Spectrum: Consistent with structure  
LCMS: Consistent with structure  
Enantiomeric Excess: 100.00%  
Purity (LCMS): 99.89%  
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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