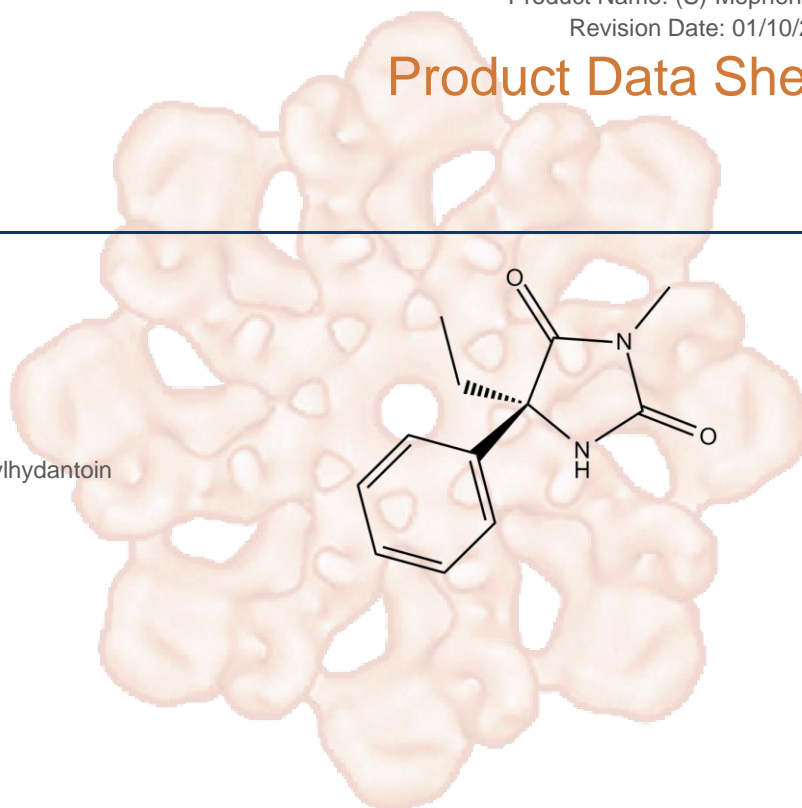


## (S)-Mephenytoin

<b>Cat. No.:</b>	C3414
<b>CAS No.:</b>	70989-04-7
<b>Formula:</b>	C <sub>12</sub> H <sub>14</sub> N <sub>2</sub> O <sub>2</sub>
<b>M.Wt:</b>	218.3
<b>Synonyms:</b>	(S)-5-Ethyl-3-methyl-5-phenylhydantoin
<b>Target:</b>	Metabolism
<b>Pathway:</b>	P450
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

≤ 15mg/ml in ethanol; 25mg/ml in DMSO; 25mg/ml in dimethyl formamide

In Vitro

Preparing Stock Solutions	Solvent Concentration	Mass	1mg	5mg	10mg
	<b>1 mM</b>		4.5809 mL	22.9043 mL	45.8085 mL
	<b>5 mM</b>		0.9162 mL	4.5809 mL	9.1617 mL
	<b>10 mM</b>		0.4581 mL	2.2904 mL	4.5809 mL

Please refer to the solubility information to select the appropriate solvent.

### Biological Activity

Shortsummary

substrate of the cytochrome P450 (CYP) isoform CYP2C19

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Applications:

### Product Citations

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

*Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.*

**APEX BIO Technology**

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