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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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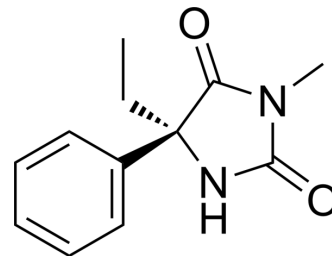
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(S)-Mephenytoin (Standard)

Cat. No.:	HY-B1184AR
CAS No.:	70989-04-7
Molecular Formula:	C ₁₂ H ₁₄ N ₂ O ₂
Molecular Weight:	218.25
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

(S)-Mephenytoin (Standard) is the analytical standard of (S)-Mephenytoin. This product is intended for research and analytical applications. (S)-Mephenytoin ((+)-Mephenytoin) is an anticonvulsive agent. (S)-Mephenytoin is a substrate of the cytochrome P450 (CYP) isoform CYP2C19. (S)-Mephenytoin can be used for the analysis of cytochrome P450 metabolism^{[1][2]}

REFERENCES

[1]. Shimada T, et, al. Human liver microsomal cytochrome P-450 mephenytoin 4-hydroxylase, a prototype of genetic polymorphism in oxidative drug metabolism. Purification and characterization of two similar forms involved in the reaction. *J Biol Chem.* 1986 Jan 15;261(2):909-21.

[2]. Goldstein JA, et, al. Evidence that CYP2C19 is the major (S)-mephenytoin 4'-hydroxylase in humans. *Biochemistry.* 1994 Feb 22;33(7):1743-52.

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

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