(S)-Mephenytoin

Cytochrome P450 substrate

(S)-Mephenytoin is a substrate of CYP2C19 for the analysis of cytochrome P450 metabolism and polymorphism. (S)-Mephenytoin is an anti-convulsant and anti-epileptic.

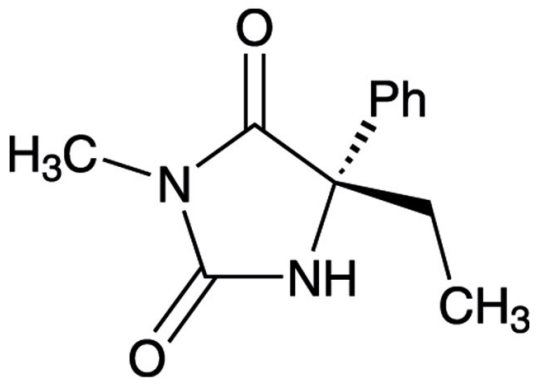
Citations: 1 View Online »

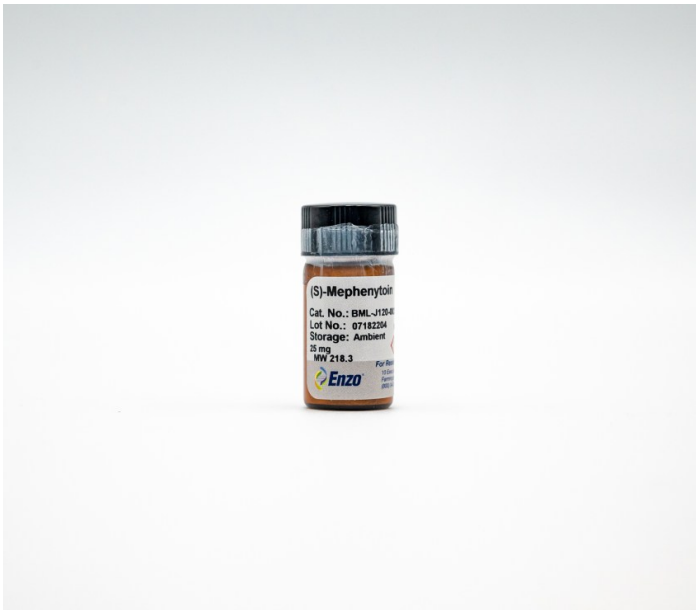
Ordering Information Order Online »

BML-J120-0005	5mg
BML-J120-0025	25mg

Manuals, SDS & CofA View Online »

- Highly pure compound used as a substrate for the screening of genetic defects in CYP2C19


O
Ph
H3C
N
NH
CH3
O


(S)-Mephenytoin
Cat. No.: BML-J120-0
Lot No.: 07182264
Storage: Ambient
25 mg
MW 218.3
Enzo

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	Ambient
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	(+)-Mephenytoin, (S)-5-ethyl-3-methyl-5-phenylhydantoin
Appearance	White solid.
CAS	70989-04-7
Couple Target	Cytochrome P450
Couple Type	Substrate
Formula	$C_{12}H_{14}N_2O_2$
Identity	Identity determined by 1H-NMR.
MW	218.3
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO or 100% ethanol.

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