

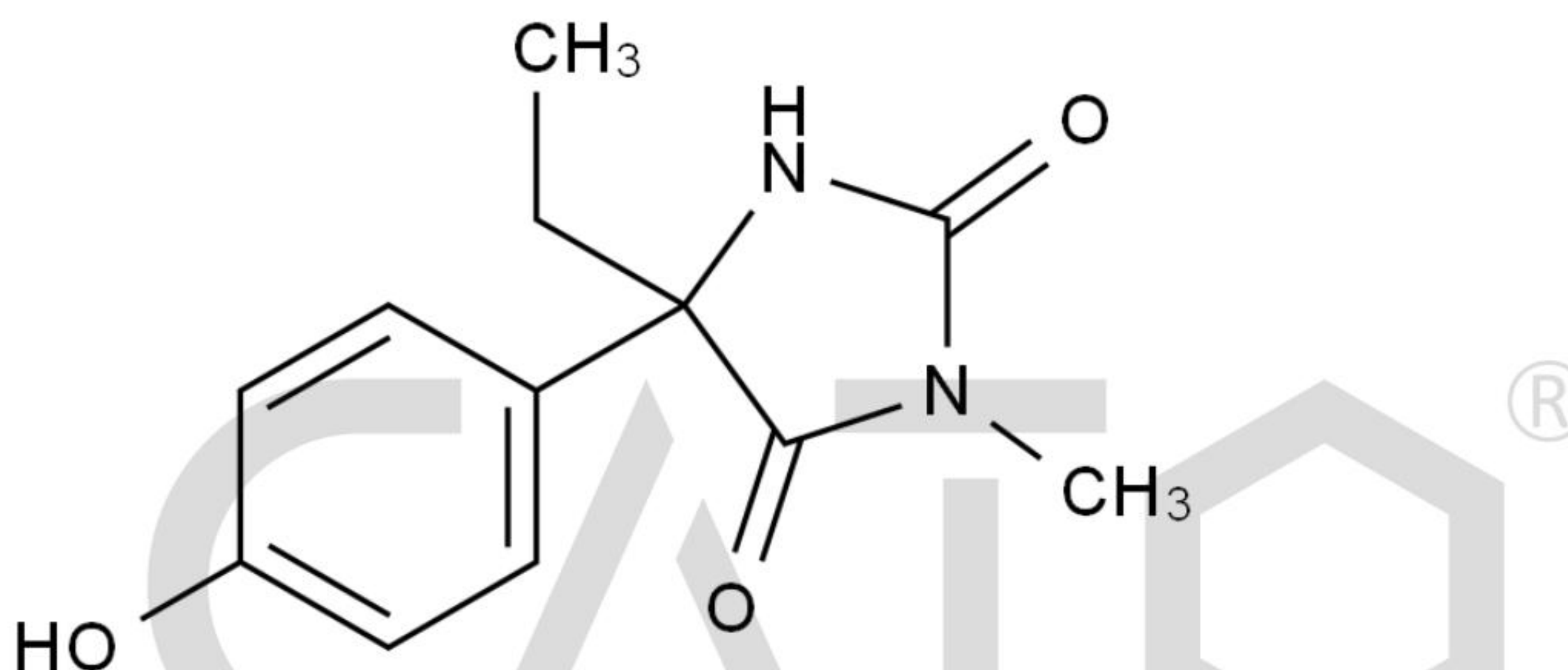
Certificate of Analysis

Reference Material & Standard

Product Name:	Mephenytoin Impurity 4	Catalogue Number:	C4X-24594
Synonyms:	4-Hydroxymephenytoin	Lot Number:	0508-RF-0008
CAS Number:	61837-65-8	Expiry Date:	May 13, 2027
Molecular Formula:	C ₁₂ H ₁₄ N ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	234.25	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	0.5559%
Assay		99.4%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Aproved by General Manager:

David

Date: May 14, 2024

Date: May 14, 2024

Date: May 14, 2024

