

Certificate of Analysis

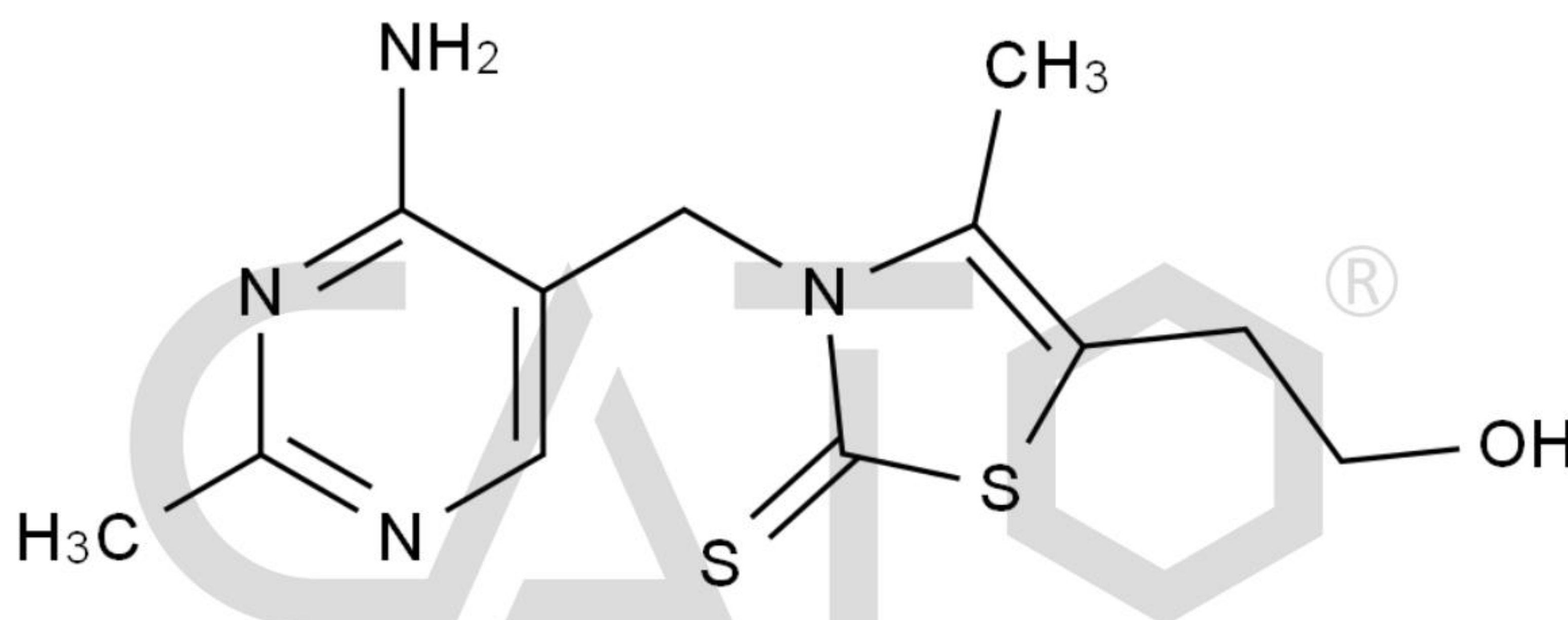
Reference Material & Standard

Product Name:	Thiamine nitrate EP Impurity E	Catalogue Number:	C4X-18737
Synonyms:	N/A	Lot Number:	0902-RG-0022
CAS Number:	299-35-4	Expiry Date:	Sep 03, 2029
Molecular Formula:	C ₁₂ H ₁₆ N ₄ OS ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	296.41	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	97.218%
Loss On Drying	TGA	0.0479%
Assay		97.2%

Comment:

The calculation of the mass balance 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:

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Date: Oct 23, 2025

Date: Oct 24, 2025

Date: Oct 24, 2025



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