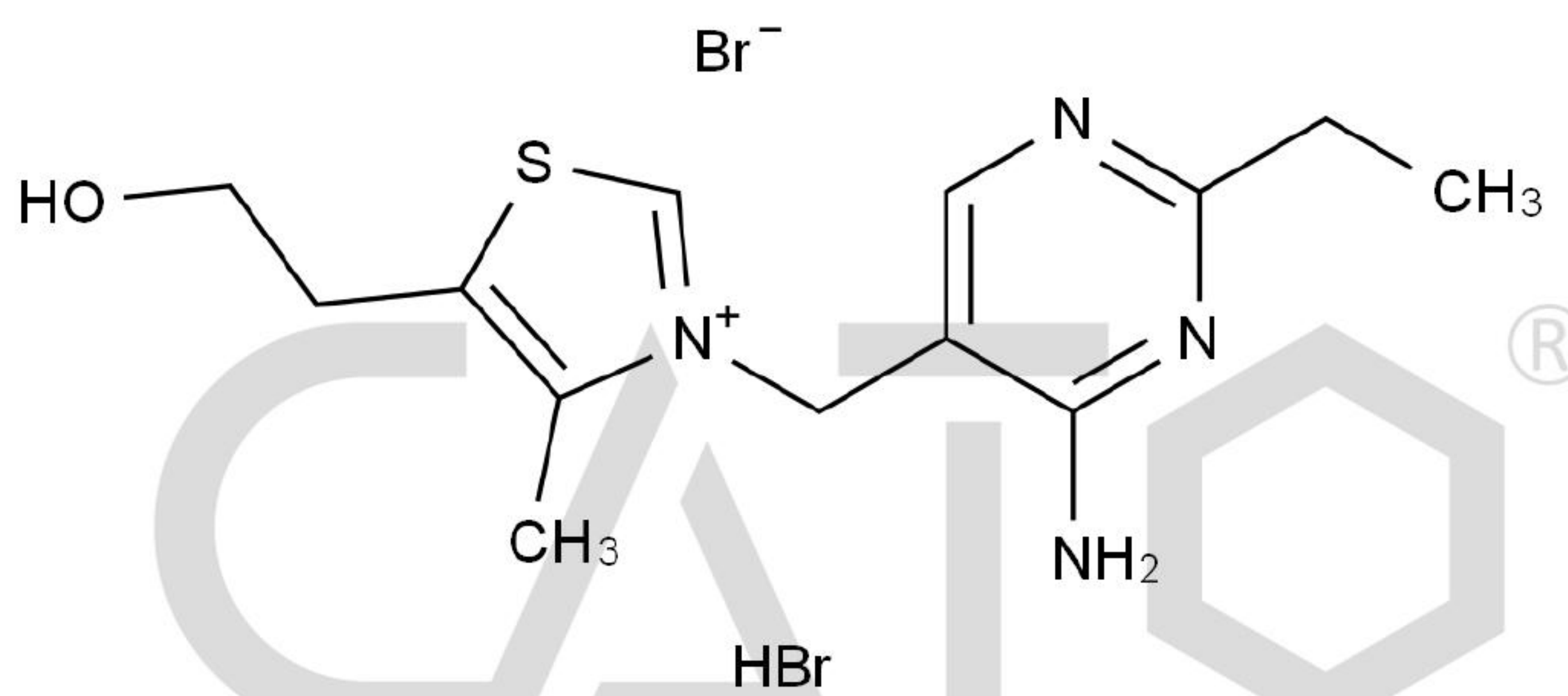


Certificate of Analysis

Reference Material & Standard

Product Name:	Thiamine nitrate EP Impurity F	Catalogue Number:	C4X-18739
Synonyms:	N/A	Lot Number:	1206-RF-0002
CAS Number:	6309-04-2	Expiry Date:	Dec 04, 2027
Molecular Formula:	C ₁₃ H ₁₉ N ₄ OS HBr Br	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	279.38 80.91 79.90	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	95.5%
Assay	qNMR	95.4%

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Oct 27, 2025

Date: Oct 28, 2025

Date: Oct 28, 2025

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