

Certificate of Analysis

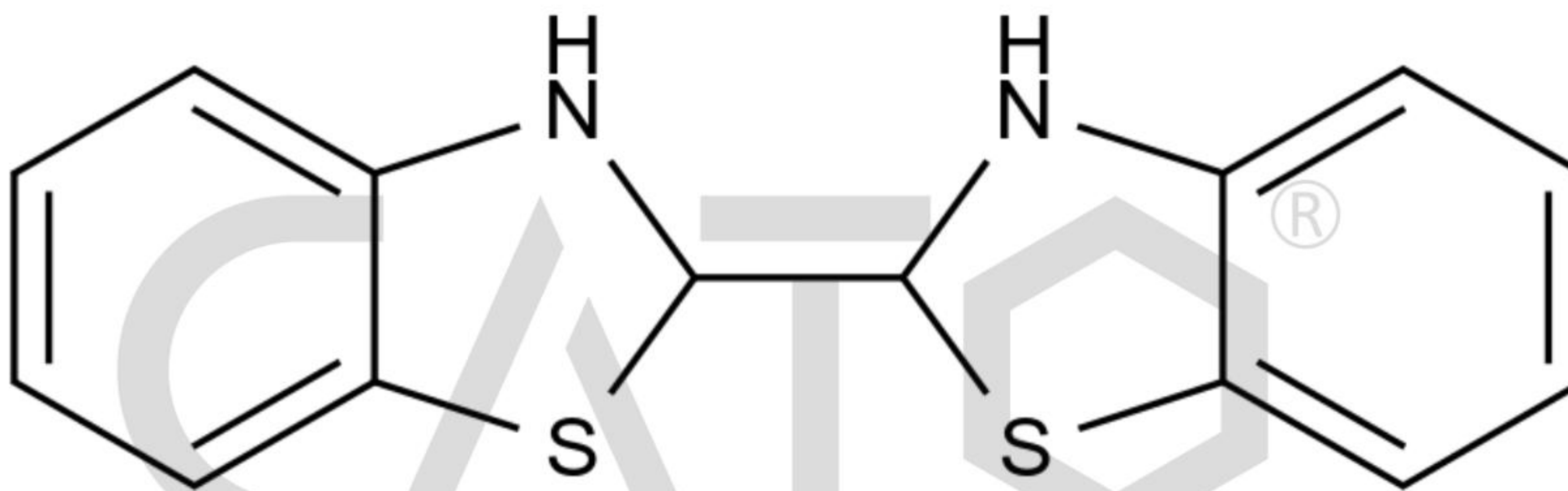
Reference Material & Standard

Product Name:	2,2'-Bibenzothiazoline	Catalogue Number:	C1443050
Synonyms:	N/A	Lot Number:	0309-RH-0088
CAS Number:	19258-20-9	Expiry Date:	Mar 08, 2028
Molecular Formula:	C ₁₄ H ₁₂ N ₂ S ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	272.39	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	92.905%
Loss On Drying	TGA	0.0486%
Assay		92.9%

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:

Prepared by:

Koi

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Mar 09, 2026

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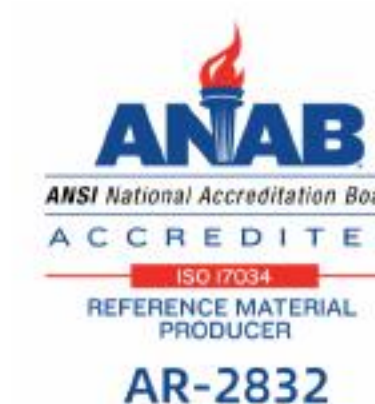
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