

Certificate of Analysis

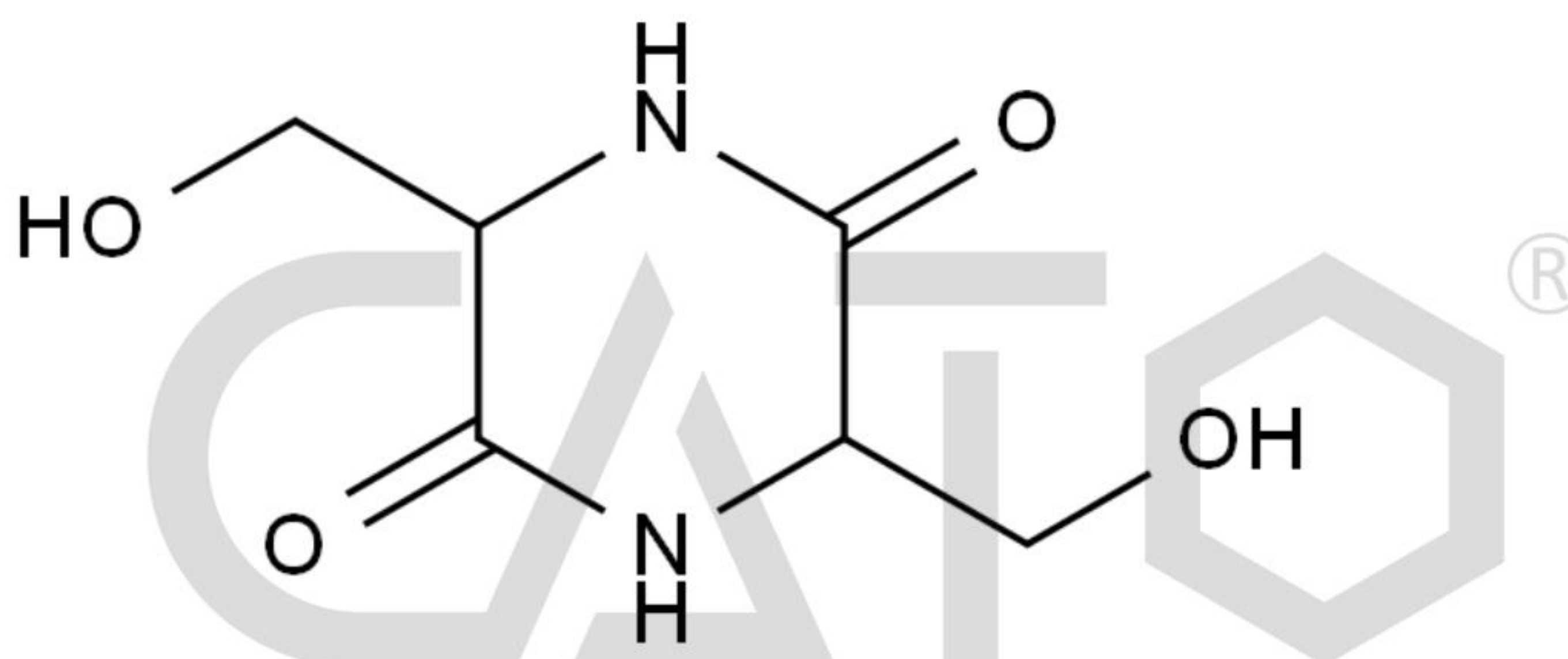
Reference Material & Standard

Product Name:	Benserazide Impurity 21	Catalogue Number:	C4X-142721
Synonyms:	3,6-Bis(Hydroxymethyl)-2,5-Piperazinedione	Lot Number:	0506-RH-0159
CAS Number:	5625-41-2	Expiry Date:	May 08, 2030
Molecular Formula:	C ₆ H ₁₀ N ₂ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	174.15	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.401%
Loss on Drying	TGA	0.0124%
Assay		99.4%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: May 09, 2026

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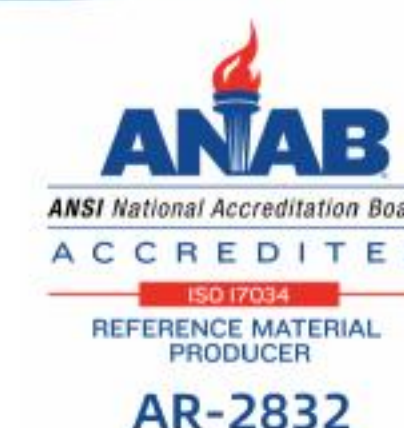
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