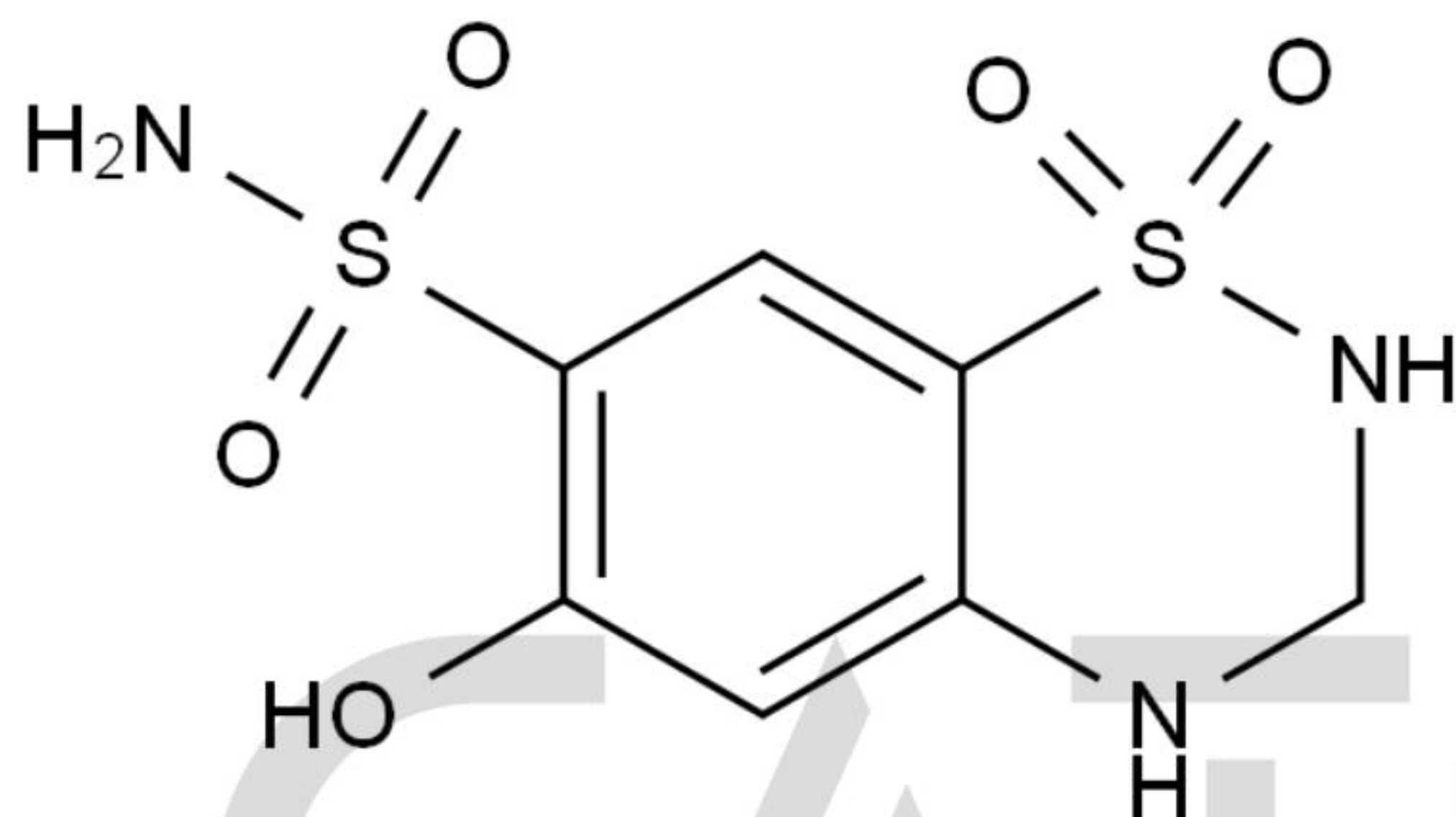


Certificate of Analysis

Reference Material

Product Name:	Hydrochlorothiazide Impurity 20	Catalogue Number:	C4X-117720
Chemical Name:	N/A	Lot Number:	0707-RE-0057
CAS Number:	82205-98-9	Expiry Date:	Jul 12, 2025
Molecular Formula:	C7H9N3O5S2	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	279.29		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Grey Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.505%
Water Content	Karl Fischer	0.46%
Residual Solvents	NMR	0.44% acetonitrile
Assay		96.6%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Jul 13, 2021

Date: Jul 13, 2023

Date: Jul 13, 2023

