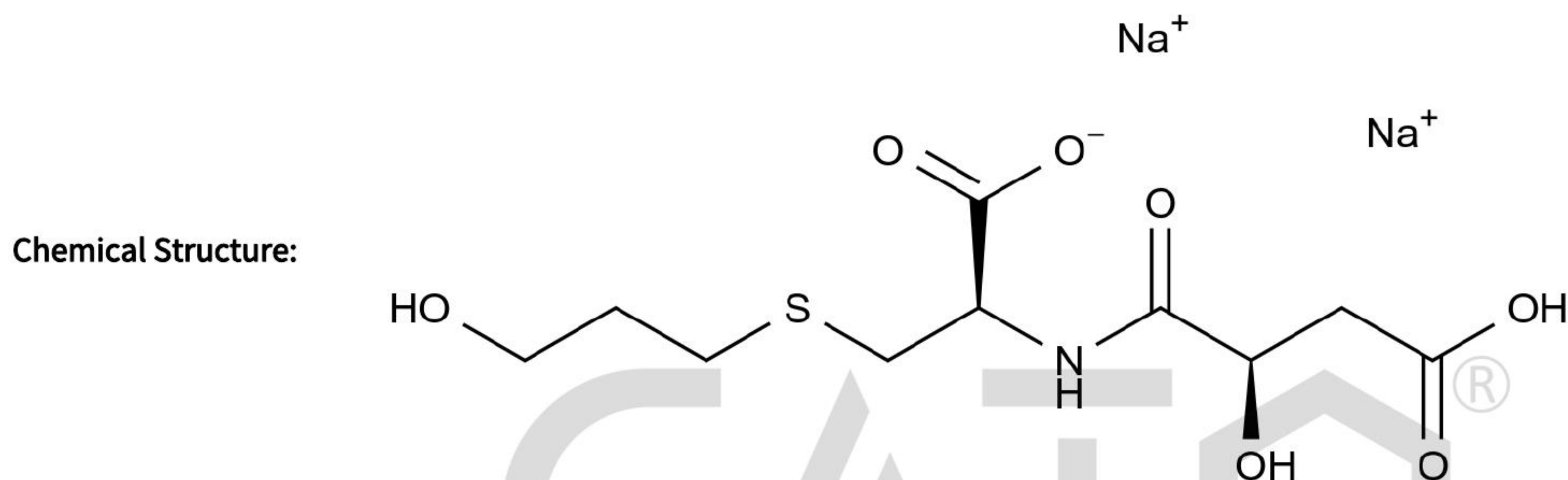


Certificate of Analysis

Reference Material

Product Name:	Fudosteine Impurity 1 Disodium Salt	Catalogue Number:	C4X-144744
Chemical Name:	N/A	Lot Number:	1207-RD-0047
CAS Number:	N/A	Expiry Date:	May 23, 2025
Molecular Formula:	C ₁₀ H ₁₆ NO ₇ S 2*Na	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	294.30 2*22.99		



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	97.6053%
Water Content	Karl Fischer	5.7%
Residual Solvents	NMR	Not detected in NMR
Optical Rotation		[α] _D 20.0(c=0.32,H ₂ O): +10.9°
Assay		92.0%

Comment:

- The compound contains 1.3% Fudosteine Impurity 18 Disodium Salt (RT 9.00) according to its HPLC.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$$
 Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nacy

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: May 24, 2022

Date: Dec 14, 2022

Date: Dec 14, 2022

