

Certificate of Analysis

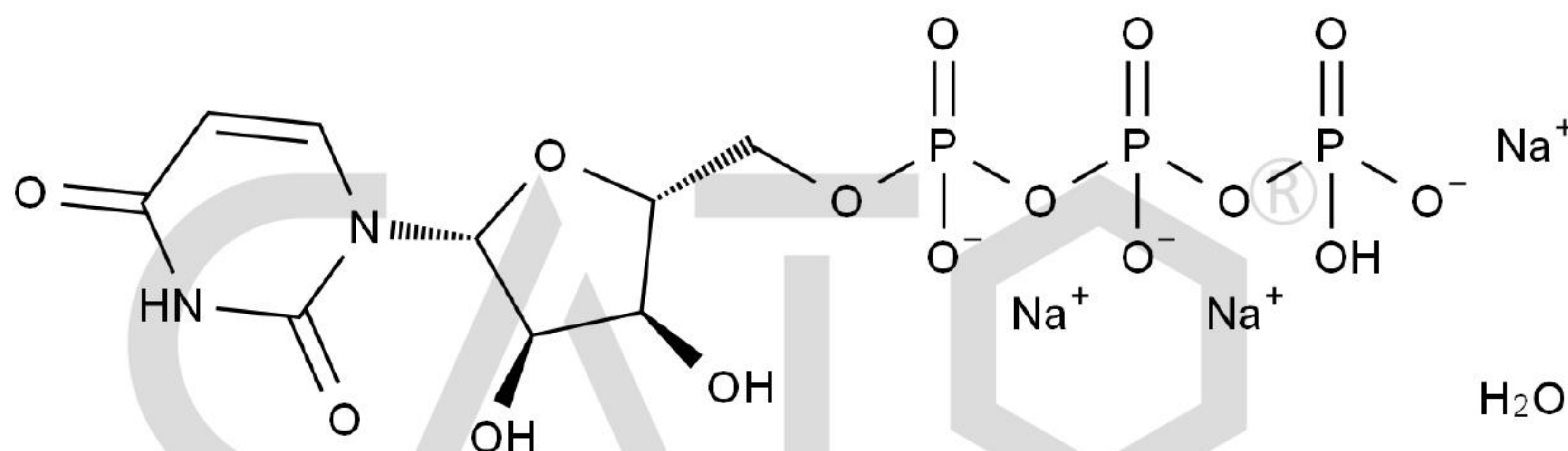
Reference Material & Standard

Product Name:	Diquafosol Impurity 12	Catalogue Number:	C4X-214912
Synonyms:	Uridine 5'-Triphosphate Trisodium Salt Hydrate	Lot Number:	0521-RH-0026
CAS Number:	19817-92-6	Expiry Date:	Jun 01, 2030
Molecular Formula:	C ₉ H ₁₂ N ₂ O ₁₅ P ₃ 3*Na H ₂ O	Storage:	-20°C ± 5°C Protected from light and Sealed
Molecular Weight:	481.12 3*22.99 18.02	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	84.129%
Loss on Drying	TGA	10.6674%
Loss on Drying(Free Water)		7.4955%
Assay		77.8%

Comment:

- The content of crystal water is 3.1719.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Loss on Drying(Free Water)}) * \text{Purity HPLC (\%)} / 100\%$$
 Loss on Drying(Free Water) is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

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Reviewed by:

Koi

Approved by General Manager:

David

Date: Jun 09, 2026

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