

1. Identification

Catalogue Number

Q525000

Lot Number

16-YHU-46-2

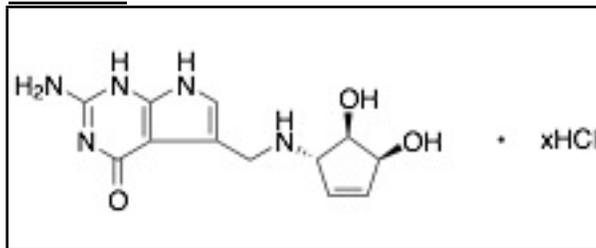
Product Name

Queuine Hydrochloride

Synonyms

2-Amino-5-[[[(1S,4S,5R)-4,5-dihydroxy-2-cyclopenten-1-yl]amino]methyl]-1,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one Dihydrochloride; [1S-(1 α ,4 β ,5 β)]-2-Amino-5-[[[4,5-

Structure



CAS Number

N/A

Solubility

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₂H₁₅N₅O₃ · (ClH)_x

Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

277.28 + x(36.46)277.28 + x

Purity

>95%

2. Warnings

Not Determined

3. Analytical Information

Tests

Specifications

Results

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Off-White to Beige Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 40.90, %H: 5.53, %N: 19.75
HPLC Purity	>95%	99.39% (220 nm)
MS	Conforms to Structure	Conforms
Chloride Content	Report Result	11.5%
Specific Rotation	Report Result	+87.1° (c = 0.1, Water)

Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed by	Reviewed by	C of A Approved by	Test Date	Retest Date
R. Swathi			10/6/2023	10/4/2027
swathi reddy	Toni Rantanen	Chanell Chu		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		