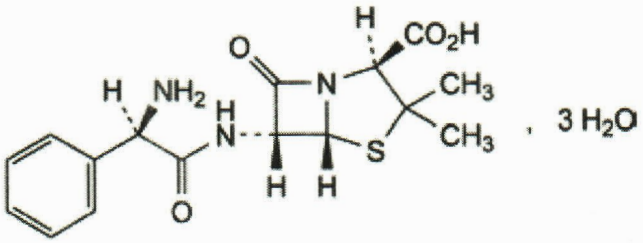
Compounding Chemicals.com.au

Ampicillin Trihydrate Powder BP2025

Batch no	260610-236
Mf date	Jun 12 2026
Expiry	Jun 11 2030
Batch size	855.5 kg

Molecular Structure



Molecular Formula $C_{16}H_{19}N_3O_4S \cdot 3H_2O$

Molecular Weight 403.5

CAS Registry Number 7177-48-2

Oct 14 2026

Tests	Specifications	Results
Appearance	A white or almost white crystalline powder	A white crystalline powder
Identification	IR	Positive
Specific optical rotation	+280 ~ +305°	+293°
Appearance of solution	The solutions are not more opalescent than reference suspension II	< 1#
pH	3.5 ~ 5.5	4.6
Water	12.0 ~ 15.0%	13.2%
Related substances	Any impurity ≤ 1.0%	0.12%
Dimethylaniline	≤ 20 ppm	Not used in production
Sulfated ash	≤ 0.5%	0.18%
Assay (oab)	96.0 ~ 102.0% of $C_{16}H_{19}N_3O_4S$	99.5%

Packaging & storage	In an airtight container
Conclusion	Material complies with BP2025