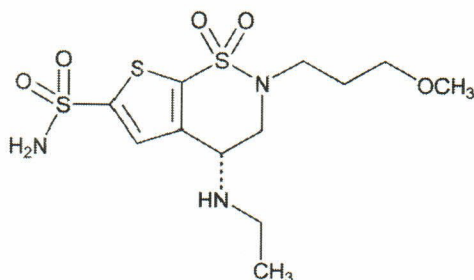


Batch no 26010901
Mf date Jan 09 2026
Expiry Jan 08 2028

Molecular Structure



Molecular Formula $C_{12}H_{21}N_3O_5S_3$
Molecular Weight 383.51
CAS Registry Number 138890-62-7

May 18 2026

Tests	Specifications	Results
Appearance	White to off-white crystalline powder	White crystalline powder
Identification	IR, RRT	Positive
Limit of brinzolamide related compound A	≤ 0.5%	0.327%
Organic impurities	Impurity B ≤ 0.3% Max individual unknown impurity ≤ 0.3% Total impurities ≤ 1.0%	0.009% 0.16% 0.54%
Loss on drying	≤ 0.5%	0.08%
Residue on ignition	≤ 0.1%	0.06%
Heavy metals	≤ 20 ppm	Conforms
Residual solvents	Ethanol ≤ 0.5% Isopropanol ≤ 0.5% Acetonitrile ≤ 0.041% tert-Butyl methyl ether ≤ 0.5% Ethyl acetate ≤ 0.5% Tetrahydrofuran ≤ 0.072%	0.01% 0.16% ND ND ND ND
Assay (odb)	98.0 ~ 102.0% of $C_{12}H_{21}N_3O_5S_3$	99.44%

Packaging & storage	Well-closed, light-resistant container, store at controlled room temperature
Conclusion	Material complies with USP-NF2025