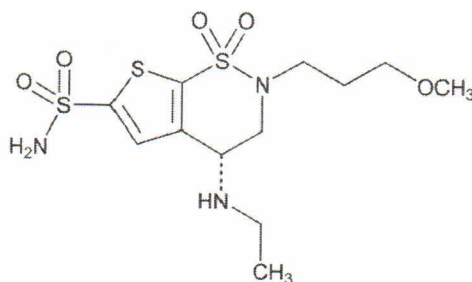


Batch no 25070401
Mf date Jul 04 2025
Expiry Jul 03 2027

Molecular Structure



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

Aug 29 2025

Tests	Specifications	Results
Appearance	White to off-white crystalline powder	White crystalline powder
Identification	IR, RRT	Positive
Limit of brinzolamide related compound A	$\leq 0.5\%$	0.008%
Organic impurities	Impurity B $\leq 0.3\%$ Max individual unknown impurity $\leq 0.3\%$ Total impurities $\leq 1.0\%$	0.007% 0.066% 0.08%
Loss on drying	$\leq 0.5\%$	0.03%
Residue on ignition	$\leq 0.1\%$	0.01%
Heavy metals	≤ 20 ppm	Conforms
Residual solvents	Ethanol $\leq 0.5\%$ Isopropanol $\leq 0.5\%$ Acetonitrile $\leq 0.041\%$ tert-Butyl methyl ether $\leq 0.5\%$ Ethyl acetate $\leq 0.5\%$ Tetrahydrofuran $\leq 0.072\%$	ND 0.033% ND ND ND ND
Assay (odb)	98.0 ~ 102.0% of $C_{12}H_{21}N_3O_5S_3$	99.92%

Packaging & storage	Well-closed, light-resistant container, store at controlled room temperature
Conclusion	Material complies with USP41