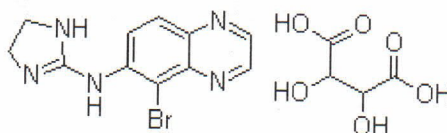


Batch no	BMDT-240902
Mf date	Sep 19 2024
Retest	Sep 18 2026

Molecular Structure



Molecular Formula  $C_{11}H_{10}BrN_5 \cdot C_4H_6O_6$

Molecular Weight 442.22

CAS Registry Number 70359-46-5

Nov 12 2024

Tests	Specifications	Results
Appearance	White or slightly yellowish or slightly brownish powder	White powder
Solubility	Soluble in water, practically insoluble in anhydrous ethanol & in toluene	Conforms
Identification	IR	Positive
Specific optical rotation	+9.0 ~ +10.5°	+10.1°
Loss on drying	≤ 0.5%	0.27%
Sulfated ash	≤ 0.2%	0.08%
Heavy metals	≤ 20 ppm	< 20 ppm
Related substances	N-(Imidazolidin-2-ylidene)quinoxalin-6-amine	≤ 0.1% Conforms
	5-Bromoquinoxalin-6-amine	≤ 0.1% Conforms
	Quinoxalin-6-amino	≤ 0.1% Conforms
	1-(5-Bromoquinoxalin-6-yl)thiourea	≤ 0.1% Conforms
	2-(5-Bromoquinoxalin-6-yl)guanidine	≤ 0.1% Conforms
	5-Bromo-N-(1H-imidazol-2-yl)quinoxalin-6-amine	≤ 0.1% Conforms
	1-(2-Aminoethyl)-3-(5-bromoquinoxalin-6-yl)urea	≤ 0.1% Conforms
	Unspecified impurities	≤ 0.1% Conforms
	Total impurities	≤ 0.2% 0.11%
		Conforms
Residual solvents	Bromobenzene ≤ 360 ppm	Conforms
	Acetone ≤ 3000 ppm	Conforms
Assay (odb)	99.0 ~ 101.0%	99.9%

Packaging & storage	Preserve in a well-closed containers, protected from light
Conclusion	Material complies with BP2015