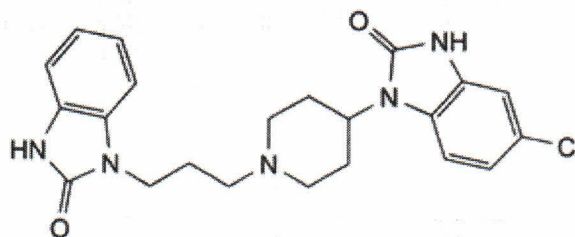


Molecular Structure



Molecular Formula  $C_{22}H_{24}ClN_5O_2$   
Molecular Weight 425.9  
CAS Registry Number 57808-66-9

Jan 09 2025

Tests	Specifications	Results
Appearance	White or off-white crystalline powder	Conforms
Solubility	Practically insoluble in water, soluble in dimethylformamide, slightly soluble in ethanol (96%) & in methanol	Conforms
Identification	IR, TLC	Positive
Melting point	244 ~ 248°C	244.6 ~ 247.1°C
Appearance of solution	The solution is clear & colorless	Conforms
Loss on drying	≤ 0.5%	0.17%
Sulfated ash	≤ 0.1%	0.04%
Related substances	Impurity A	0.1%
	Impurity B	0.07%
	Impurity C	ND
	Impurity D	0.17%
	Impurity E	0.04%
	Impurity F	0.01%
	Total impurities	0.28%
Residue on ignition	≤ 0.10%	0.06%
Heavy metals	≤ 20 ppm	< 20 ppm
Assay (odb)	99.0 ~ 101.0% of $C_{10}H_{20}N_2S_4$	99.8%

Packaging & storage	Protected from light
Conclusion	Material complies with EP10.0