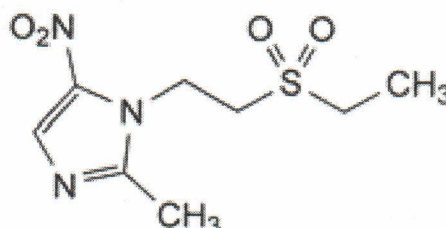


Batch no 250510-1
Mf date May 10 2025
Retest May 09 2029

Molecular Structure



Molecular Formula $C_8H_{13}N_3O_4S$
Molecular Weight 247.3
CAS Registry Number 19387-91-8

Jun 24 2025

Tests	Specifications	Results
Appearance	Almost white or pale yellow crystalline powder	Pale yellow crystalline powder
Solubility	Practically insoluble in water, soluble in acetone and in methylene chloride, sparingly soluble in methanol	Conforms
Identification	IR	Positive
Melting point	125 ~ 128°C	125.6 ~ 127.8°C
Appearance of solution	5% solution in acetone should be clear and not more intensely colored than reference solution Y ₅	Conforms
Related substances (HPLC)	Impurity A ≤ 0.2%	ND
	Impurity B ≤ 0.2%	0.12%
	Any unspecified impurity ≤ 0.1%	ND
	Total impurities ≤ 0.4%	0.26%
Residual solvents (GC)	Ethanol ≤ 1000 ppm	70 ppm
	O-Xylene ≤ 195.3 ppm	20 ppm
Loss on drying (105°C)	≤ 0.5%	0.09%
Sulfated ash	≤ 0.1%	0.02%
Assay (odb)	98.0 ~ 101.0%	99.6%

Packaging and storage	Preserved in tight and light resistant container, Temperature ≤ 30°C
Conclusion	Material complies with EP9.0