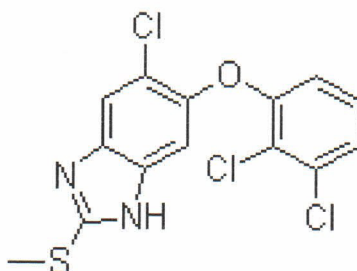


Batch no	250308-19
Mf date	Mar 10 2025
Retest	Mar 09 2029

Molecular Structure



Molecular Formula $C_{14}H_9Cl_3N_2OS$

Molecular Weight 359.66

CAS Registry Number 68786-66-3

Jun 26 2025

Tests	Specifications	Results
Appearance	White or off-white powder, slight odor	Conforms
Solubility	Easy soluble in acetone, soluble in methanol, slightly soluble in dichloromethane, slightly soluble in trichloromethane or ethyl acetate, insoluble in water	Conforms
Identification	IR, UV	Positive
Absorbance	420 nm ≤ 0.12	0.06
Melting point	172 ~ 176°C	175 ~ 176°C
Loss on drying	$\leq 1.0\%$	0.5%
Residue on ignition	$\leq 0.1\%$	0.07%
Related substances (TLC)	N-methyl derivatives $\leq 0.5\%$ Any other impurity $\leq 0.2\%$ Total impurities $\leq 1.0\%$	0.04% 0.05% 0.2%
Related substances	Impurity A $\leq 0.3\%$ Impurity D $\leq 0.3\%$ Other impurity $\leq 0.2\%$ Total impurities $\leq 1.0\%$	0.02% 0.05% 0.08% 0.35%
Assay (odb) HPLC	98.0 ~ 101.0% of $C_{14}H_9Cl_3N_2OS$	98.5%

Packaging & storage	Preserve in tight containers and store in a dry place
Conclusion	Material complies with BP2020/EP10