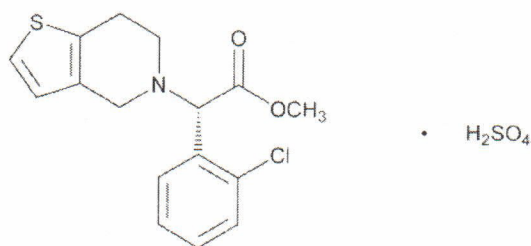


Batch no C51-20251003
Mf date May 02 2025
Expiry May 01 2027

Molecular Structure



Molecular Formula $C_{16}H_{16}ClNO_2S \cdot H_2O_4S$
Molecular Weight 419.9
CAS Registry Number 120202-66-6

Jun 06 2025

Tests	Specifications	Results
Appearance	Off-white powder	Off-white powder
Identification	IR, HPLC, sulfate test	Positive
Loss on drying	$\leq 0.5\%$	0.22%
Residue on ignition	$\leq 0.1\%$	0.022%
Related substances	Impurity A	$\leq 0.2\%$ 0.01%
	Impurity B	$\leq 0.3\%$ 0.01%
	Impurity C	$\leq 0.5\%$ 0.01%
	Any other impurity	$\leq 0.1\%$ 0.08%
	Total impurities	$\leq 0.5\%$ 0.29%
Residual solvents	Methanol	$\leq 0.3\%$ 0.0097%
	Acetone	$\leq 0.5\%$ 0.1425%
	Methylene chloride	$\leq 0.06\%$ 0.0006%
	Isopropanol	$\leq 0.5\%$ 0.0252%
	Ethyl acetate	$\leq 0.5\%$ ND
	Toluene	$\leq 0.089\%$ 0.0026%
Assay (odb)	97.0 ~ 101.5% of $C_{16}H_{16}ClNO_2S \cdot H_2O_4S$	99.7%

Packaging & storage	Preserve in well-closed containers and store at controlled room temperature
Conclusion	Material complies with USP40