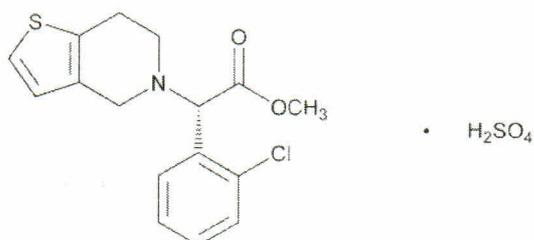


Batch no	C51-20251001
Mf date	Aug 16 2025
Expiry	Aug 15 2027

Molecular Structure



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

Oct 13 2025

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Off-white powder	Off-white powder
Identification	IR, HPLC, sulfate test	Positive
Loss on drying	$\leq 0.5\%$	0.15%
Residue on ignition	$\leq 0.1\%$	0.01%
Related substances	Impurity A	$\leq 0.2\%$
	Impurity B	$\leq 0.3\%$
	Impurity C	$\leq 0.5\%$
	Any other impurity	$\leq 0.1\%$
	Total impurities	$\leq 0.5\%$
	Residual solvents	Methanol
	Acetone	$\leq 0.5\%$
	Methylene chloride	$\leq 0.06\%$
	Isopropanol	$\leq 0.5\%$
	Ethyl acetate	$\leq 0.5\%$
	Toluene	$\leq 0.089\%$
Assay (odb)	97.0 ~ 101.5% of $C_{16}H_{16}ClNO_2S \cdot H_2O_4S$	99.6%

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